Virginia Title V Operating Permit
Article 1

Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	U.S. Naval Base, Norfolk
Facility Name:	Norfolk Naval Base
Facility Location:	Sewells Point Norfolk, Virginia
Registration Number:	Registration No. 60941
Permit Number:	VA60941

MAY 27, 2003
Effective Date

MAY 8, 2006
Significant Modification Date

MAY 27, 2008
Expiration Date

Deputy Regional Director

MAY 8, 2006
Signature Date

Table of Contents

NAVAL BASE, NORFOLK

I. Facility Information

Permittee
Department of the Navy

Responsible Official
George E. Eichert, Captain, CEC, USN
Commanding Officer, Navy Public Works Center

Facility
Naval Station Norfolk
Norfolk, Virginia 23511

Contact Person
Leal D. Boyd
Air Program Manager
(757) 444-3009 ext. 385

AFS Identification Number: 51-710-00194

Facility Description: NAICS Code 928110 - National Security

The facility is the public works/operations, supply and maintenance department at the home port of the Navy's Atlantic Fleet. No products are manufactured at the facility. There is not one distinct, overriding "process" conducted at this facility. Instead, various activities and operations are conducted primarily to provide steam (heat) and, in certain instances, electricity to most of the operations at the facility. Various maintenance activities are also performed throughout Naval Station Norfolk.

II. Emission Units - Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
ABRA-020 (SP-356, AIMD)		Clemco Drive-In blast booth (ground support equipment)	312 tons/yr of blasting media	Cyclone; Baghouse	CDABRA20A CDABRA20B	PM, PM10, HAPs	August 2, 1985
BOIL-006 (NH-202)		Nebraska N2S-4A-72 (installed 9/1/1985)	95 million Btu/hr				May 19, 1999
BOIL-027 (P-1)		Combustion Engineering, CE3731 (installed 1941)	125 million Btu/hr	Multicyclone	CDBOIL-027	PM, PM10, HAPs	May 19, 1999
BOIL-028 (P-1)		Combustion Engineering, CE6733 (installed 1941)	125 million Btu/hr	Multicyclone	CDBOIL-028	PM, PM10, HAPs	May 19, 1999
BOIL-029 (P-1)		Combustion Engineering, CE3736 (installed 1941)	125 million Btu/hr	Multicyclone	CDBOIL-029	PM, PM10, HAPs	May 19, 1999
BOIL-030 (P-1)		Combustion Engineering, CE2848 (installed 1944)	125 million Btu/hr	Multicyclone	CDBOIL-030	PM, PM10, HAPs	May 19, 1999
BOIL-031 (P-1)		Riley, P8195 (installed 1939)	82 million Btu/hr	Multicyclone	CDBOIL-031	PM, PM10, HAPs	May 19, 1999
BOIL-032 (P-1)		Riley, P819-WW (installed 1941)	82 million Btu/hr	Multicyclone	CDBOIL-032	PM, PM10, HAPs	May 19, 1999
BOIL-033 (P-1)		Riley, P8191W (installed 1941)	82 million Btu/hr	Multicyclone	CDBOIL-033	PM, PM10, HAPs	May 19, 1999
BOIL-034 (P-1)		Riley, NB 2642 (installed 1975)	235 million Btu/hr				May 19, 1999
BOIL-042 (SP-85)		Riley-Stoker, 9352038 (installed 1942)	95 million Btu/hr	Multicyclone	CDBOIL-042	PM, PM10, HAPs	May 19, 1999
BOIL-043 (SP-85)		Riley, Model Number Unknown (installed 1942)	95 million Btu/hr	Multicyclone	CDBOIL-043	PM, PM10, HAPs	May 19, 1999
BOIL-044 (Z-312)		Mitsui, MB200 Type D No. 2 Fuel Standby (7/95)	196.5 million Btu/hr	Multicyclone	CDBOIL-044A	PM, PM10, HAPs	May 19, 1999
BOIL-044 (Z-312)		Mitsui, MB200 Type D NG Primary (7/95)	205.8 million Btu/hr	Multicyclone	CDBOIL-044A	PM, PM10, HAPs	May 19, 1999
BOIL-045 (Z-312)		Mitsui, MB200 Type D No. 2 Fuel Standby (7/95)	196.5 million Btu/hr	Multicyclone	CDBOIL-045A	PM, PM10, HAPs	May 19, 1999
BOIL-045 (Z-312)		Mitsui, MB200 Type D NG Primary (7/95)	205.8 million Btu/hr	Multicyclone	CDBOIL-045A	PM, PM10, HAPs	May 19, 1999
BOIL-046 (Z-312)		Mitsui, MB200 Type D No. 2 Fuel Standby (7/95)	196.5 million Btu/hr	Multicyclone	CDBOIL-046A	PM, PM10, HAPs	May 19, 1999
BOIL-046 (Z-312)		Mitsui, MB200 Type D NG Primary (inst. 7/1995)	205.8 million Btu/hr	Multicyclone	CDBOIL-046A	PM, PM10, HAPs	May 19, 1999

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
DEGS-GRP1 (Various locations)		Solvent Metal Cleaning Units				VOC	
ENGT-GRP1 (SP-313, AIMD)		Helicopter Engine Testing					
GSTA-001 (CD-11, NAVSTA)		Commercial Gasoline Service Station for Personal Vehicles		Stage II Vapor Recovery	CDGSTA-001	VOC, HAPs	
GSTA-002 (CEP-66, NAVSTA)		Commercial Gasoline Service Station for Personal Vehicles		Stage II Vapor Recovery	CDGSTA-002	VOC, HAPs	
GSTA-007 (P-64, NAVSTA)		Commercial Gasoline Service Station for Personal Vehicles		Stage II Vapor Recovery	CDGSTA-007	VOC, HAPs	
GSTA-010 (U-113, NAS)		Commercial Gasoline Service Station for Personal Vehicles		Stage II Vapor Recovery	CDGSTA-010	VOC, HAPs	
GSTA-015 (CD-11, NAVSTA)		Commercial Gasoline Service Station for Personal Vehicles		Stage II Vapor Recovery	CDGSTA-015	VOC, HAPs	
GSTA-016 (CD-11, NAVSTA)		Commercial Gasoline Service Station for Personal Vehicles		Stage II Vapor Recovery	CDGSTA-016	VOC, HAPs	
ICGF-106 (P-1)		Caterpillar, 3516TA (installed 1993)	16.1 million Btu/hr				May 19, 1999
ICGF-107 (P-1)		Caterpillar, 3516TA (installed 1993)	16.1 million Btu/hr				May 19, 1999
ICGF-108 (P-1)		Caterpillar, 3516TA (installed 1993)	16.1 million Btu/hr				May 19, 1999
ICGF-109 (P-1)		Caterpillar, 3516TA (installed 1993)	16.1 million Btu/hr				May 19, 1999
ICGF-110 (P-1)		Caterpillar, 3516TA (installed 1993)	16.1 million Btu/hr				May 19, 1999
ICGF-162 (Z-312)		Caterpillar, 3516TA (installed 1995)	16.1 million Btu/hr				May 19, 1999
ICGF-049 (CEP-156, DDNV)		Caterpillar, 3512 No. 2 fuel oil	1,000 kW				
ICGF-075 (M-51, NCTAMS)		Caterpillar, 3512 No. 2 fuel oil	800 kW				
ICGF-081 (NH-139, AIC)		Caterpillar, 3412 No. 2 fuel oil	664 kW				
ICGF-094 (NH-94, HSA)		Caterpillar, 3608 No. 2 fuel oil	2,000 kW				June 13, 2003
ICGF-095 (NH-94, HSA)		EMD, 20-645-E4B No. 2 fuel oil	2,000 kW				June 13, 2003

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
ICGF-096 (NH-94, HSA)		Alco/Kato, 251E16OS No. 2 fuel oil	2,000 kW				June 13, 2003
ICGF-097 (NH-94, HSA)		EMD, 12-645-E1 No. 2 fuel oil	1,000 kW				June 13, 2003
ICGF-142 (W-143, FISC)		Caterpillar, 3512 No. 2 fuel oil	795 kW				
ICGF-143 (W-143, FISC)		Caterpillar, 3512 No. 2 fuel oil	795 kW				
ICGF-212; ICGF-213 (M-51, NCTAMS)		Caterpillar, 3508 No. 2 fuel oil	800 kW, each				
ICGF-236 (CEP-209, SIMA)		Caterpillar, CD125 No. 2 fuel oil	125 kW				December 8, 1999
ICGF-238 (W-143, NMCI)		No. 2 fuel oil (installed 5/2002)	1,250 kW				October 10, 2002
ICGF-239 (W-143, NMCI)		No. 2 fuel oil (installed 5/2002)	1,250 kW				October 10, 2002
ICGF-240 (W-143, NMCI)		No. 2 fuel oil (installed 5/2002)	1,250 kW				October 10, 2002
ICGF-241 (W-143, NMCI)		No. 2 fuel oil (installed 5/2002)	1,250 kW				October 10, 2002
MISC-100/101 (CEP-209, SIMA)		Fiberglass sanding and sawing		Fabric Filters	CDMISC-100/101	PM/PM10	December 8, 1999
PNTO-004 (Q-72, PWC)		Painting - Outside (Spray and Brush Application) of Coatings					
PNTO-006 (A-81, PWC)		Sign Shop – Paint, Silk Screen, (Spray and Hand Application)					
PNTO-011 (SP-35, HC-2)		Open Hangar Aircraft Touch-up (HVLP and hand application)					
PNTO-013 (LP-3, VRC-40)		Open Hangar Aircraft Touch-up (HVLP and hand application)					
PNTO-014 (LF-60, MAG-42)		Open Hangar Aircraft Touch-up (HVLP and hand application)					
PNTO-017 (SP-31, HM-14)		Open Hangar Aircraft Touch-up (HVLP and hand application)					
PNTO-018 (LP-33, VR-56)		Open Hangar Aircraft Touch-up (HVLP and hand application)					
PNTO-019 (LP-34, VAW-120)		Open Hangar Aircraft Touch-up (HVLP and hand application)					

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
PNTO-026 (V-088, VC-6)		Open Hangar small boat touch-up (HVLP and hand application)					
PNTO-038 (Dry Dock Resolute)		Ship Painting- Submarines (hand application of coatings)					
PNTO-100 (SP-35, HCS-4)		Open Hangar Aircraft Touch-up (HVLP and hand application)					
PNTO-101 (LP-12, VAW-78)		Open Hangar Aircraft Touch-up (HVLP and hand application)					
PNTO-102 (LP-34, VAW-121)		Open Hangar Aircraft Touch-up (HVLP and hand application)					
PNTO-103 (LP-2, VAW-123)		Open Hangar Aircraft Touch-up (HVLP and hand application)					
PNTO-104 (LP-2, VAW-124)		Open Hangar Aircraft Touch-up (HVLP and hand application)					
PNTO-105 (LP-27, VAW-125)		Open Hangar Aircraft Touch-up (HVLP and hand application)					
PNTO-106 (LP-27, VAW-126)		Open Hangar Aircraft Touch-up (HVLP and hand application)					
PNTO-107 (Piers, Ships forces)		Pier-side ship painting by ships forces (hand application)					
PNTO-108 (Piers, Port Ops)		Pier-side small craft painting (hand application of coatings)					
PNTO-109 (SP-31, HM-14)		Open Hangar small boat touch-up (HVLP and hand application)					
PNTO-112 (Piers, Spruce Barge)		Pier-side ship painting – subs (hand application of coatings)					
PNTO-123 CEP-200, SIMA 67x		Ship rubber cable moulding primer (hand application)					
PNTO-124 CEP-160, SIMA 72B		Pier-side ship painting (hand application of coatings)					
PNTO-127 (Piers, Contractors)		Pier-side Ship painting (hand application of coatings)					
PNTO-128 (Piers, Moran Tugs)		Pier-side Ship painting (hand application of coatings)					

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
PNTS-011 (LP-14, AIMD 500)		Aircraft Parts Spray Booth (HVLP and hand application)		Fabric Filter	CDPNTS-011	PM, PM10, HAPs	
PNTS-016 (NM-110, PWC)		Portable Van booth / UV drying (spray and hand application)		Fabric filter	CDPNTS-016	PM, PM10, HAPs	
PNTS-018 (SP-10, AIMD 400)		Aircraft Parts Spray Booth (HVLP and hand application)		Fabric Filter	CDPNTS-018	PM, PM10, HAPs	
PNTS-019 (SP-312, AIMD 600)		Aircraft Parts Spray Hood (spray and hand application)		Fabric Filter	CDPNTS-019	PM, PM10, HAPs	
PNTS-020 (SP-356, AIMD 900)		GSE Paint Booth (HVLP application of coatings)		Fabric Filter	CDPNTS-020	PM, PM10, HAPs	
PNTS-021 (LP-020, PWC)		Forklift touch up painting (spray application of coatings)					
PNTS-060 (V-088, VC-6)		Devilbiss Hood, small boat parts (HVLP and hand application).		Fabric Filter	CDPNTS-060	PM, PM10, HAPs	
PNTS-061 (V-088, VC-6)		Devilbiss Hood, small boat parts (HVLP and hand application).		Fabric Filter	CDPNTS-061	PM, PM10, HAPs	
PNTS-066 (X-137, FISC)		Misc. metal parts spray booth (spray application of coatings)		Fabric Filter	CDPNTS-066	PM, PM10, HAPs	
PNTS-071 (Q-50, PWC)		Oil Recovery Vessels (spray and hand application)					
PNTS-100 (LF-59, HC-6)		Open Hangar Aircraft Touch-up (HVLP and hand application)					
PNTS-101 (LF-59, HC-8)		Open Hangar Aircraft Touch-up (HVLP and hand application)					
PNTS-122 Replaces PNTS-011		Paint Booth Aircraft Parts (HVLP application of coatings)		Fabric Filter			February 5, 2003
PNTS-123 Replaces PNTS-018		Paint Booth Aircraft Parts (Brush and Roller application)		Fabric Filter			February 5, 2003
TNKA-500 (W-143)		16,000 Gallon AST fixed roof (distillate oil)					October 10, 2002
TNKU-272 (CD-11, NEX)		20,000 Gallon UST fixed roof (gasoline RVP-13)					
WOOD-007 (NM-110, PWC)		Van Program (Sanders, Cutting Saws, Planers, Drill Presses)		Cyclone; Baghouse	CDWOOD-07; CDWOOD-7B	PM, PM10	
WOOD-011 (SP-89, NAS)		Box Shop (sanders, cutting saws, planers, drill presses, etc.)		Cyclone	CDWOOD-11	PM, PM10	
WOOD-012 (SP-83, NAS)		Facilities maintenance (sander, cutting saw and planer)		2 Cyclones	CDWOOD-12a CDWOOD-12b	PM, PM10	

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
WOOD-013 (A-81, PWC)		Facilities maintenance (sander, cutting saw and planer)		Cyclone	CDWOOD-013	PM, PM10	
WOOD-014 (Y-100A, FISC)		Shipping and packing (sanders, cutting saws, planers, drill press)		Cyclone	CDWOOD-14A CDWOOD-14B	PM, PM10	
WOOD-018 (V-047, CBU)		Facilities maintenance(sanders, cutting saws, planers, drill press)		Cyclone	CDWOOD-018 CDWOOD-18B	PM, PM10	
WOOD-020 (LP-167, NAVAIR)		Woodworking shop (sanders, cutting saws, planers, drill press)		Cyclone	CDWOOD-020	PM, PM10	
WOOD-022 (NH-31, HSA)		Woodworking shop (sanders, cutting saws, planers, drill press)		Cyclone; Baghouse	CDWOOD-22 CDWOOD-22A	PM, PM10	
WOOD-025 (W-131, DDNV)		Facilities maintenance(sanders, cutting saws, planers, drill press)		Cyclone	CDWOOD-025	PM, PM10	
WOOD-PNT1		Painting/staining various (wood furniture NESHAP)	≤ 1,200 gallons/yr				
WSTS-GRP1		Paper Shredders with Cyclones		Cyclone	CDWSTSGR1A	PM, PM10	
WSTS-GRP2		Paper Shredders with Cyclone and Baghouse		Cyclone; Baghouse	CDWSTSGR2A CDWSTSGR2B	PM, PM10	

*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

III. Fuel Burning Equipment

The fuel burning equipment associated with this section of the permit consists of the following emission units: BOIL-006, BOIL-027, BOIL-028, BOIL-029, BOIL-030, BOIL-031, BOIL-032, BOIL-033, BOIL-034, BOIL-042, BOIL-043, BOIL-044, BOIL-045, BOIL-046, ICGF-106, ICGF-107, ICGF-108, ICGF-109, ICGF-110 and ICGF-162.

A. Limitations

1. Particulate emissions from each natural gas/distillate oil boiler (Emission Units BOIL-044, BOIL-045 and BOIL-046) shall be controlled by a multicyclone. The three multicyclones shall be provided with adequate access for inspection. An annual inspection shall be conducted on the multicyclones by the permittee to insure structural integrity.
(9 VAC 5-80-110 and Condition 4 of NSR/NSPS permit issued May 19, 1999)

2. Nitrogen Oxides emissions from each natural gas/distillate oil boiler (Emission Units BOIL-006, BOIL-044, BOIL-045 and BOIL-046) shall be controlled by use of a low NO_x burner with internal or external flue gas recirculation.
(9 VAC 5-80-110 and Condition 5 of NSR/NSPS permit issued May 19, 1999)

3. Carbon Monoxide emissions from each natural gas/distillate oil boiler (Emission Units BOIL-044, BOIL-045 and BOIL-046) shall be controlled by good combustion practices.
(9 VAC 5-80-110 and Condition 6 of NSR/NSPS permit issued May 19, 1999)

4. The diesel emergency generator (Emission Unit ICGF-162) shall be used only for providing power at the location during interruption of service from the normal power supplier and for periodic testing.
(9 VAC 5-80-110 and Condition 7 of NSR/NSPS permit issued May 19, 1999)

5. Nitrogen Oxides emissions from each peak shaving/emergency generator (Emission Units ICGF-106, ICGF-107, ICGF-108, ICGF-109 and ICGF-110) shall be controlled by retarding the timing by six (6) degrees.
(9 VAC 5-80-110 and Condition 8 of NSR/NSPS permit issued May 19, 1999)

6. The three natural gas/distillate oil boilers (Emission Units BOIL-044, BOIL-045 and BOIL-046) shall consume no more than 10,734,000 gallons of No. 2 fuel oil per year or $1,435.0 \times 10^6$ cubic feet of natural gas per year, calculated monthly as the sum of each consecutive 12 month period. When both No. 2 fuel oil and natural gas are consumed in the same year, consumption shall be limited by the following:

$X = (10{,}734{,}000 \text{ gal/yr}) - (0.00748)(\text{ft}^3 \text{ natural gas})$

$Y = (1{,}435.0 \times 10^6 \text{ ft}^3\text{/yr}) - (133.65)(\text{gallons of No. 2 fuel oil})$

where

X = gallons per year of No. 2 fuel oil consumed
Y = cubic feet per year of natural gas consumed
(9 VAC 5-80-110 and Condition 9 of NSR/NSPS permit issued May 19, 1999)

7. The diesel peak shaving/emergency generators (Emission Units ICGF-106, ICFG-107, ICFG-108, ICFG-109 and ICFG-110) and the diesel emergency generator (Emission Unit ICGF-162), combined, shall consume no more than 297,000 gallons of No. 2 fuel oil per year, calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110 and Condition 10 of NSR/NSPS permit issued May 19, 1999)

8. Emissions from the operation of each natural gas/distillate oil boiler (Emission Units BOIL-044, BOIL-045 and BOIL-046) when firing natural gas or No. 2 fuel oil shall not exceed the limits specified below

Total Suspended Particulate	1.3 lbs/hr
PM-10	1.3 lbs/hr
Sulfur Dioxide	40.1 lbs/hr
Nitrogen Oxides (as NO_2)	0.10 lbs/million Btu
Carbon Monoxide	20.6 lbs/hr
Volatile Organic Compounds	1.0 lbs/hr
Beryllium	0.00015 lbs/hr

The nitrogen oxides emissions shall be determined on a 30-day rolling average basis, and shall apply at all times including periods of startup, shutdown, or malfunction.
(40 CFR 60.44b(a)(1), 40 CFR 60.44b(h), 40 CFR 60.44b(i), 9 VAC 5-80-110, and Condition 11 of NSR/NSPS permit issued May 19, 1999)

9. Emissions from the operation of the natural gas/distillate oil boilers (BOIL-044, BOIL-045 and BOIL-046) when firing natural gas, No. 2 fuel oil, or a combination of both fuels, shall not exceed the limits specified below, determined as the sum of each consecutive 12 month period:

Total Suspended Particulate	4.8 tons/yr
PM-10	4.8 tons/yr
Sulfur Dioxide	152.4 tons/yr
Nitrogen Oxides (as NO_2)	74.6 tons/yr
Carbon Monoxide	74.6 tons/yr
Volatile Organic Compounds	3.7 tons/yr
Beryllium	0.00060 tons/yr

(9 VAC 5-80-110 and Condition 12 of NSR/NSPS permit issued May 19, 1999)

10. Emissions from the operation of each diesel peak shaving/emergency generator (Emission Units ICGF-106, ICGF-107, ICGF-108, ICGF-109 and ICGF-110) shall not exceed the limits specified below:

Total Suspended Particulate	1.6 lbs/hr
PM-10	1.6 lbs/hr
Sulfur Dioxide	3.3 lbs/hr
Nitrogen Oxides (as NO_2)	35.4 lbs/hr
Carbon Monoxide	11.3 lbs/hr
Volatile Organic Compounds	3.2 lbs/hr
Beryllium	0.000040 lbs/hr

(9 VAC 5-80-110 and Condition 13 of NSR/NSPS permit issued May 19, 1999)

11. Emissions from the operation of the diesel peak shaving/emergency generators (Emission Units ICGF-106, ICGF-107, ICGF-108, ICGF-109 and ICGF-110) and the diesel emergency generator (Emission Unit ICGF-162), combined, shall not exceed the limits specified below, determined as the sum of each consecutive 12 month period:

Total Suspended Particulate	2.1 tons/yr
PM-10	2.1 tons/yr
Sulfur Dioxide	4.2 tons/yr
Nitrogen Oxides (as NO_2)	45.4 tons/yr
Carbon Monoxide	14.4 tons/yr
Volatile Organic Compounds	4.1 tons/yr
Beryllium	0.000052 tons/yr

(9 VAC 5-80-110 and Condition 14 of NSR/NSPS permit issued May 19, 1999)

12. Emissions from the operation of each boiler (Emission Units BOIL-006, BOIL-027, BOIL-028, BOIL-029, BOIL-030, BOIL-031, BOIL-032, BOIL-033, BOIL-034, BOIL-042 and BOIL-043) shall not exceed the limits specified below:

Sulfur Dioxide	2.64 lbs/million Btu

(9 VAC 5-80-110 and Condition 15 of NSR/NSPS permit issued May 19, 1999)

13. Emissions from the operation of the three boilers (Emission Units BOIL-044, BOIL-045 and BOIL-046), the five peak shaving/emergency generators (Emission Units ICGF-106, ICGF-107, ICGF-108, ICGF-109 and ICGF-110), the emergency generator (Emission Unit ICGF-162), and the boilers (Emission Units BOIL-006, BOIL-027, BOIL-028, BOIL-029, BOIL-030, BOIL-031, BOIL-032, BOIL-033, BOIL-034, BOIL-042 and BOIL-043), combined, shall not exceed the limits specified below, determined as the sum of each consecutive 12 month period:

Sulfur Dioxide	3,106.6 tons/yr
Nitrogen Oxides (as NO_2)	657.0 tons/yr
Carbon Monoxide	162.1 tons/yr
Beryllium	0.0075 tons/yr

(9 VAC 5-80-110 and Condition 16 of NSR/NSPS permit issued May 19, 1999)

14. Visible emissions from each natural gas/distillate oil boiler stack (Emission Units BOIL-044, BOIL-045 and BOIL-046) shall not exceed 10 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 20 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during start-up, shutdown and malfunction.
(40 CFR 60.43b(f), 40 CFR 60.43b(g), 9 VAC 5-80-110, and Condition 17 of NSR/NSPS permit issued May 19, 1999)

15. Visible emissions from each boiler stack except Emission Units BOIL-044, BOIL-045 and BOIL-046 shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during start-up, shutdown and malfunction.
(9 VAC 5-50-20 A.3, 9 VAC 5-50-80, and 9 VAC 5-80-110)

16. Visible emissions from the diesel emergency generator (Emission Unit ICGF-162) stack shall not exceed 10 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 20 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during start-up, shutdown and malfunction.
(9 VAC 5-80-110 and Condition 18 of NSR/NSPS permit issued May 19, 1999)

17. Visible emissions from each diesel peak shaving/emergency generator (ICGF-106, ICGF-107, ICGF-108, ICGF-109 and ICGF-110) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during start-up, shutdown and malfunction.
(9 VAC 5-80-110 and Condition 19 of NSR/NSPS permit issued May 19, 1999)

18. The approved fuels for the boilers (Emission Units BOIL-044, BOIL-045 and BOIL-046) are No. 2 fuel oil and natural gas. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 20 of NSR/NSPS permit issued May 19, 1999)

19. The approved fuel for the five peak shaving/emergency generators (Emission Units ICGF-106, ICGF-107, ICGF-108, ICGF-109 and ICGF-110) and the emergency generator (ICGF-162) is No. 2 fuel oil. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 21 of NSR/NSPS permit issued May 19, 1999)

20. The approved fuel for the boiler (Emission Unit BOIL-006) is natural gas. A change in fuel may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 22 of NSR/NSPS permit issued May 19, 1999)

21. The approved fuels for the boilers (Emission Units BOIL-030, BOIL-031, BOIL-032, BOIL-033 and BOIL-034) are JP-5, No. 2 fuel oil, Diesel Fuel Marine (DFM), Fuel Oil Reclaimed (FOR), Navy Standard Fuel Oil (NSFO), No. 4 fuel oil and No. 6 fuel oil. A change in fuels may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 23 of NSR/NSPS permit issued May 19, 1999)

22. The approved fuels for the boilers (Emission Units BOIL-027, BOIL-028 and BOIL-029) are JP-5, No. 2 fuel oil, DFM, FOR, NSFO, No. 4 fuel oil, No.6 fuel oil and natural gas. A change in fuels may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 24 of NSR/NSPS permit issued May 19, 1999)

23. The approved fuels for the boilers (Emission Units BOIL-042 and BOIL-043) are JP-5, No. 2 fuel oil, DFM, FOR, NSFO and No. 4 fuel oil. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 25 of NSR/NSPS permit issued May 19, 1999)

24. The maximum sulfur content of the oil to be burned in the natural gas/distillate oil boilers (Emission Units BOIL-044, BOIL-045 and BOIL-046), the five diesel peak shaving/emergency generators (Emission Units ICGF-106, ICGF-107, ICGF-108, ICGF-109 and ICGF-110), and the diesel emergency generator (Emission Unit ICGF-162) shall not exceed 0.20 percent by weight per shipment. The permittee shall obtain a certification from the fuel supplier with each shipment of No. 2 fuel oil. Each fuel supplier certification shall include the following:

a. The name of the fuel supplier;

b. The date on which the oil was received;

c. The volume of No. 2 fuel oil delivered in the shipment;

d. A statement that the oil complies with the American Society for Testing and Materials specifications for fuel oil numbers 1 and 2; and,

e. The maximum sulfur content of the oil.

(40 CFR 60.42b(j), 40 CFR 60.49b(r), 9 VAC 5-80-110, and Condition 26 of NSR/NSPS permit issued May 19, 1999)

25. The following symbols as used in the following conditions shall have the meanings given to them below:

R1 = gallons of NSFO, No. 4 fuel oil and No. 6 fuel oil consumed in BOIL-031, BOIL-032, BOIL-033, BOIL-042 and BOIL-043
R2 = gallons of NSFO, No. 4 fuel oil and No. 6 fuel oil consumed in BOIL-034 and BOIL-30
R3 = gallons of NSFO, No. 4 fuel oil and No. 6 fuel oil consumed in BOIL-027, BOIL-028 and BOIL-029
D1 = gallons of JP-5, No. 2 fuel oil, DFM and FOR consumed in BOIL-031, BOIL-032, BOIL-033, BOIL-034, BOIL-027, BOIL-028, BOIL-029, BOIL-030, BOIL-042 and BOIL-043
D2 = gallons of No. 2 fuel oil consumed in BOIL-044, BOIL-045 and BOIL-046
D3 = gallons of No. 2 fuel oil consumed in peak shaving/emergency generators (ICGF-106, ICGF-107, ICGF-108, ICGF-109 and ICGF-110) and diesel emergency generator (ICGF-162)
G1 = standard cubic feet of natural gas consumed in BOIL-027, BOIL-028, BOIL-029 and BOIL-006
G2 = standard cubic feet of natural gas consumed in BOIL-044, BOIL-045 and BOIL-046
a = percent sulfur content by weight of JP-5
b = percent sulfur content by weight of No. 2 fuel oil
c = percent sulfur content by weight of DFM
d = percent sulfur content by weight of FOR
e = percent sulfur content by weight of NSFO
f = percent sulfur content by weight of No. 4 fuel oil
g = percent sulfur content by weight of No. 6 fuel oil

(9 VAC 5-80-110 and Condition 28 of NSR/NSPS permit issued May 19, 1999)

26. The permittee shall calculate the total tons of NO_x emissions, equivalent (E_{NOx}), per week and the sum of each 52 week period as follows:

$$E_{NOx} = (2.75 \times 10^{-5})(R1) + (3.35 \times 10^{-5})(R2) + (1.67 \times 10^{-5})(R3) + (1.00 \times 10^{-5})(D1) + (6.95 \times 10^{-6})(D2) + (1.53 \times 10^{-4})(D3) + (5.69 \times 10^{-8})(G1) + (4.16 \times 10^{-8})(G2)$$

(9 VAC 5-80-110 and Condition 29 of NSR/NSPS permit issued May 19, 1999)

27. The permittee shall calculate the total tons of SO_2 emissions, equivalent (E_{SO2}), per week and the sum of each 52 week period as follows:

$$E_{SO2} = (7.85 \times 10^{-5})[(R1 + R2 + R3)_{NSFO}(e) + (R1 + R2 + R3)_{No.\ 4}(f) + (R1 + R2 + R3)_{No.\ 6}(g)] + (7.10 \times 10^{-5})[(D1)_{JP\text{-}5}(a) + (D1)_{No.\ 2}(b) + (D1)_{DFM}(c) + (D1)_{FOR}(d)] + (1.42 \times 10^{-5})(D2 + D3) + (3.00 \times 10^{-10})(G1 + G2)$$

(9 VAC 5-80-110 and Condition 30 of NSR/NSPS permit issued May 19, 1999)

28. The permittee shall calculate the total tons of CO emissions, equivalent (E_{CO}), per week and the sum of each 52 week period as follows:

$$E_{CO} = (2.50 \times 10^{-6})(R1 + R2 + R3 + D1) + (6.95 \times 10^{-6})(D2) + (4.87 \times 10^{-5})(D3) + (2.00 \times 10^{-8})(G1) + (5.20 \times 10^{-8})(G2)$$

(9 VAC 5-80-110 and Condition 31 of NSR/NSPS permit issued May 19, 1999)

29. The permittee shall calculate the total tons of Beryllium emissions, equivalent (E_{Be}), per week and the sum of each 52 week period as follows:

$$E_{Be} = (3.02 \times 10^{-10})(R1 + R2 + R3) + (1.74 \times 10^{-10})(D1 + D3) + (5.31 \times 10^{-11})(D2)$$

(9 VAC 5-80-110 and Condition 32 of NSR/NSPS permit issued May 19, 1999)

B. Monitoring

30. For each boiler except BOIL-044, BOIL-045 and BOIL-046, the permittee shall perform a monthly visual emissions observation on each boiler stack during normal operations, and an annual visual emissions observation on each generator stack during normal operations. If such visual observation indicates any visible emissions, the permittee shall take corrective actions to eliminate the visible emissions. If such corrective action fails to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six-minute VEE opacity average exceeds 50% of the standard for a specific unit, the VEE for that unit shall continue for an additional 12 minutes. If any of the six-minute averages during the 18 minutes exceeds the standard for a specific unit, the VEE for that unit shall continue for one hour from initiation on the stack to determine compliance with the opacity limit. The permittee shall record the details of the visual emissions observations, VEE, and any corrective actions. The records shall be kept at the facility and made available for inspection by the DEQ for the most recent five (5) year period.
(9 VAC 5-80-110 E)

31. A continuous emission monitor shall be installed to measure and record the opacity of particulate emitted from each boiler (Emission Units BOIL-044, BOIL-045 and BOIL-046). Each monitor shall be maintained and calibrated in accordance with 40 CFR Part 60, §60.48b, paragraph (a). A 30-day notification prior to the demonstration of continuous monitoring system performance and subsequent notification requirements are to be submitted to the Director, Tidewater Regional Office.
(9 VAC 5-80-110 and Condition 35 of NSR/NSPS permit issued May 19, 1999)

32. A continuous emission monitor shall be installed to measure and record the concentration of Nitrogen Oxides emitted from each boiler (Emission Units BOIL-044, BOIL-045 and BOIL-046). Each monitor shall be maintained and calibrated in accordance with 40 CFR Part 60, §60.48b, paragraphs (b), (c), (d), (e)(2), (e)(3), (f) and (g)(1). A 30-day notification prior to the demonstration of continuous monitoring system performance and subsequent notification requirements are to be submitted to the Director, Tidewater Regional Office.
(9 VAC 5-80-110 and Condition 36 of NSR/NSPS permit issued May 19, 1999)

C. Recordkeeping and Reporting

33. All boiler operators and generator operators shall be trained in the proper operation of such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum. The permittee shall maintain records of the required training including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the boilers and generators. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept at the facility and made available for inspection by DEQ.
(9 VAC 5-80-110 and Condition 41 of NSR/NSPS permit issued May 19, 1999)

34. The permittee shall submit fuel quality reports for the fuel burned in the boilers (Emission Units BOIL-044, BOIL-045, and BOIL-046) to the Director, Tidewater Regional Office within 30 days after the end of each calendar quarter. If no shipments of No. 2 fuel oil were received during the calendar quarter, the quarterly report shall consist of the dates included in the calendar quarter and a statement that no oil was received during the calendar quarter. If No. 2 fuel oil was received during the calendar quarter the reports shall include:

a. The dates included in the calendar quarter;

b. A copy of all fuel supplier certifications for all shipments of No. 2 fuel oil received during the calendar quarter or a quarterly summary from each fuel supplier that includes the information specified in Condition III.A.24 for each shipment of No. 2 fuel oil; and,

c. A signed statement from the owner or operator of the facility that the fuel supplier certifications or summaries of fuel supplier certifications represent all of the No. 2 fuel oil burned by or received for Emission Units BOIL-044, BOIL-045, and BOIL-046.

(9 VAC 5-80-110 and Condition 33 of NSR/NSPS permit issued May 19, 1999)

35. The permittee shall submit reports of weekly NO_x, SO_2, CO and Beryllium emissions, equivalent (E_{NOx}, E_{SO2}, E_{CO} and E_{Be}) for applicable units to the Director, Tidewater Regional Office within 30 days after the end of each calendar quarter. The permittee shall also include in the quarterly reports the total NO_x, SO_2, CO and Beryllium emissions, equivalent, per consecutive 52 week period, as recalculated each week of the quarter. The details of the reports are to be arranged with the Director, Tidewater Regional Office.
(9 VAC 5-80-110 and Condition 34 of NSR/NSPS permit issued May 19, 1999)

36. The permittee shall submit excess emission reports for Emission Units BOIL-044, BOIL-045, and BOIL-046 in accordance with the procedures of 40 CFR Part 60, §60.49b, paragraph (h) and/or (i) for the following:
a. All six-minute periods when opacity exceeds 10%.
b. All thirty-day rolling averages when NO_x exceeds 0.10 lbs/million Btu.
The report shall be submitted to the Director, Tidewater Regional Office within 30 days after the end of each calendar quarter or semiannual period, whichever applies, beginning within 120 days of completion of the initial opacity and nitrogen oxides continuous emission monitor performance tests. The reports shall contain but are not limited to the total source operating time, total monitor operating time, periods and magnitudes of excess emissions, the reasons for excess emissions and corrective actions taken, periods of monitor downtime, reasons for monitor downtime and corrective action taken, identification of periods when data was excluded from the report and the applicable reasons, daily calibration drift test results, the date and results of audits performed during the quarter, and the F-factor used in calculating NO_x emissions.
(40 CFR 60.49b(h), 40 CFR 60.49b(i), 9 VAC 5-80-110, and Condition 37 of NSR/NSPS permit issued May 19, 1999)

37. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

a. The daily throughput of natural gas and No. 2 fuel oil for the boilers (Emission Units BOIL-044, BOIL-045, and BOIL-046);

b. The weekly throughput of No. 2 fuel oil for the peak shaving/emergency generators (Emission Units ICGF-106, ICGF-107, ICGF-108, ICGF-109 and ICGF-110) and the emergency generator (ICGF-162);

c. All fuel supplier certifications;

d. All emissions calculations referenced in Conditions III.A.26, III.A.27, III.A.28, and III.A.29;

e. Records of visual evaluations, visible emissions evaluations and any corrective action taken for all units except BOIL-044, BOIL-045 and BOIL-046;

f. Records of annual multicyclone inspections referenced in Condition III.A.1;

g. Records required in accordance with 40 CFR Part 60, §60.49b, paragraphs (d), (f) and (g);

h. DEQ-approved, pollutant-specific emission factors and equations used to show compliance with emission limits.

These records shall be available at the facility for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110 and Condition 39 of NSR/NSPS permit issued May 19, 1999)

IV. Aboveground Storage Tanks

The storage tanks associated with this section of the permit are: TNKA-136 & TNKA-137 (P-1 boilers); TNKA-180 (SP-85); TNKA-300 & TNKA-301 (P-1 peak generators); TNKA-311 (Z-312); TNKA-145, TNKA-147, TNKA-148, TNKA-153, TNKA-154, TNKA-155 (Q-50); and TNKA-500 (W-143).

A. Limitations

1. The permittee shall keep readily accessible records showing the dimensions and an analysis showing the capacity of each of the following storage vessels: TNKA-145, TNKA-147, TNKA-148, TNKA-153, TNKA-154, TNKA-155; TNKA-311; and TNKA-500. These records shall be kept for the life of the storage vessel.
(9 VAC 5-80-110, Conditions 8 and 11 of NSR/NSPS permit issued October 10, 2002 for TNKA-500) and ((9 VAC 5-50-410, 9 VAC 5-80-110, and 40 CFR 60.116b(b))

2. The permittee shall sample each oil shipment purchased per storage tank (Emission Units TNKA-136, TNKA-137 and TNKA-180) in accordance with 40 CFR Part 60, Appendix A, Method 19, 5.2.2.1 (ASTM D270-65). Samples shall be collected over a one week period and combined samples per storage tank shall be analyzed for percent sulfur content by weight in accordance with 40 CFR Part 60, Appendix A, Method 19, 5.2.2.3 (ASTM D129-64, ASTM D1552-83 or ASTM D4057-81).
(9 VAC 5-80-110 and Condition 27 of NSR/NSPS permit issued May 19, 1999)

B. Recordkeeping and Reporting

3. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

a. Records showing the dimension of each storage vessel and an analysis showing the capacity for the tanks in condition A.1.

b. Daily records of the types and amounts of all oil shipments; and,

c. Weekly records of the test results required in Condition A.2 of this section.

These records shall be available at the facility for inspection by DEQ and shall be current for the most recent five years.
(9 VAC 5-80-110 and Condition 39 of NSR/NSPS permit issued May 19, 1999)

V. Internal Combustion Engines (Generators)

The internal combustion engines (generators) associated with this section of the permit consists of the following emission units: ICGF-075, ICGF-081, ICGF-049, ICFG-142, ICFG-143, ICGF-094, ICGF-095, ICGF-096, ICGF-097, ICGF-212, ICGF-213, ICGF-236, ICGF-238, ICGF-239, ICGF-240, and ICGF-241.

A. Limitations

1. The approved fuel for each engine generator set (Emission Units ICGF-094, ICGF-095, ICGF-096, and ICGF-097) is distillate oil, defined as fuel oil that meets the specifications for fuel oil numbers 1 or 2 under the American Society for Testing and Materials, "Standard Specification for Fuel Oils". A change in the fuel may require a permit to modify and operate. The maximum sulfur content of the oil to be burned in each generator set (Emission Units ICGF-094, ICGF-095, ICGF-096 and ICGF-097) shall not exceed 0.5 percent by weight per shipment. The permittee shall obtain a certification from the fuel supplier with each shipment certifying that the fuel complies with the ASTM specifications for fuel oil numbers 1 and 2.
(9 VAC 5-80-110 and Conditions 3 & 5 of NSR permit issued June 13, 2003)

2. The four engine generator sets combined (Emission Units ICGF-094, ICGF-095, ICGF-096, and ICGF-097) shall consume no more than 300,000 gallons of fuel per year, calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110 and Condition 4 of NSR permit issued June 13, 2003)

3. Emissions from the operation of each of the three generator sets (ICGF-094, ICGF-095, and ICGF-096) shall not exceed the limits specified below:

Nitrogen Oxides (as NO_2)	65.3 lbs/hr
Carbon Monoxide	17.1 lbs/hr
Sulfur Dioxide	10.5 lbs/hr
Volatile Organic Compounds	1.9 lbs/hr
Total Suspended Particulate	1.5 lbs/hr
PM-10	1.5 lbs/hr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 1, 2, and 12 of this Section.
(9 VAC 5-80-110 and Condition 7 of NSR permit issued June 13, 2003)

4. Emissions from the operation of generator set ICGF-097 shall not exceed the limits specified below:

Nitrogen Oxides (as NO_2)	32.6 lbs/hr
Carbon Monoxide	8.5 lbs/hr
Sulfur Dioxide	5.3 lbs/hr
Volatile Organic Compounds	0.9 lbs/hr
Total Suspended Particulate	0.7 lbs/hr
PM-10	0.7 lbs/hr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 1, 2, and 12 of this Section.
(9 VAC 5-80-110 and Condition 8 of NSR permit issued June 13, 2003)

5. Emissions from the operation of the four generator sets (Emission Units ICGF-094, ICGF-095, ICGF-096, and ICGF-097), combined, shall not exceed the limits specified below, determined as the sum of each consecutive 12 month period:

Nitrogen Oxides (as NO_2)	65.8 tons/yr
Carbon Monoxide	17.5 tons/yr
Sulfur Dioxide	10.4 tons/yr
Volatile Organic Compounds	1.7 tons/yr
Total Suspended Particulate	1.4 tons/yr
PM-10	1.0 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 1, 2, and 12 of this Section.
(9 VAC 5-80-110 and Condition 9 of NSR permit issued June 13, 2003)

6. Visible emissions from the stack of each engine generator set (Emission Units ICGF-094, ICGF-095, ICGF-096, ICGF-097, and ICGF-236) shall not exceed 15 percent opacity except for one six-minute period in any one hour of not more than 20 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-80-110, Condition 10 of NSR permit issued June 13, 2003 and Condition 15 of NSR permit issued December 8, 1999)

7. Visible emissions from the stack of each engine generator set (Emission Units ICGF-081, ICGF-049, ICFG-142, ICFG-143, ICGF-075, ICGF-212, and ICGF-213) shall not exceed 20 percent opacity, except for one six-minute period in any one hour of not more than 30 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-50-80 and 9 VAC 5-80-110)

8. Each generator (ICGF-238, ICGF-239, ICGF-240, and ICGF-241) shall not operate more than 450 hours per year, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 4 of NSR/NSPS permit issued October 10, 2002)

9. Generator ICGF-236 shall not operate more than 500 hours per year, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 9 of NSR permit issued December 8, 1999)

10. The approved fuel for the generators (ICGF-236, ICGF-238, ICGF-239, ICGF-240, and ICGF-241) is distillate oil. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-110, Condition 5 of NSR/NSPS permit issued October 10, 2002, and condition 10 of NSR permit issued December 8, 1999)

11. The distillate oil shall meet the specifications below:
DISTILLATE OIL which meets the ASTM specification for numbers 1 or 2 fuel oil:
Maximum sulfur content per shipment: 0.5%
This condition applies to ICGF-236, ICGF-238, ICGF-239, ICGF-240, and ICGF-241.
(9 VAC 5-80-110, Condition 10 of NSR permit issued December 8, 1999, and Condition 6 of NSR/NSPS permit issued October 10, 2002)

12. The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:

a. The name of the fuel supplier;

b. The date on which the distillate oil was received;

c. The volume of distillate oil delivered in the shipment; and,

d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications for numbers 1 or 2 fuel oil.

This condition applies to ICGF-238, ICGF-239, ICGF-240, ICGF-241, ICGF-094, ICGF-095, ICGF-096, and ICGF-097.
(9 VAC 5-80-110, Condition 7 of NSR/NSPS permit issued October 10, 2002, and Condition 6 of NSR/NSPS permit issued June 13, 2003)

13. Emissions from the operation of the generators (ICGF-238, ICGF-239, ICGF-240, and ICGF-241) shall not exceed the limits specified below:

	Each	Combined
Particulate Matter	0.9 lbs/hr	0.8 tons/yr
PM-10	0.7 lbs/hr	0.7 tons/yr
Sulfur Dioxide	6.5 lbs/hr	5.8 tons/yr
Nitrogen Oxides (as NO_2)	41.0 lbs/hr	36.9 tons/yr
Carbon Monoxide	10.8 lbs/hr	9.8 tons/yr
Volatile Organic Compounds	1.3 lbs/hr	1.2 tons/yr

These limits are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 8, 10, 11, and 14 of this Section.
(9 VAC 5-80-110 and Condition 9 of NSR/NSPS permit issued October 10, 2002)

14. Visible emissions from the generators (ICGF-238, ICGF-239, ICGF-240, and ICGF-241) shall not exceed 10 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 20 percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-110 and Condition 10 of NSR/NSPS permit issued October 10, 2002)

15. The opacity standards shall apply at all times except during periods of startup, shutdown and malfunction.
(9 VAC 5-50-20 A.3 and 9 VAC 5-80-110)

16. At all times, including periods of startup, shutdown, and malfunction, the generators including associated air pollution control equipment shall be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 E and 9 VAC 5-80-110)

B. Monitoring

17. The permittee shall perform an annual visual emissions observation (at least once each 12 consecutive calendar months) on each generator (Emission Units ICGF-094, ICGF-095, ICGF-096, ICGF-097, ICGF-236, ICGF-238, ICGF-239, ICGF-240, and ICGF-241) stack during operation at full load. If such visual observations indicate any visible emissions, the permittee shall take corrective action to correct the cause of the opacity. If such corrective actions fail to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six-minute VEE opacity average exceeds 50% of the specified standard for a unit, the VEE shall continue for an additional 12 minutes on that unit. If any of the six-minute averages during the 18 minutes exceeds the specified standard for the unit, the VEE for that specific unit shall continue for one hour from initiation on the stack to determine compliance with the opacity limit. The permittee shall record the details of the visual emissions observations, VEE, and any corrective actions. The records shall be kept at the facility and made available for inspection by the DEQ for the most recent five (5) year period.
(9 VAC 5-80-110)

C. Recordkeeping and Reporting

18. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

a. The number operating hours per year (Emission Units ICGF-236, ICGF-238, ICGF-239, ICGF-240, and ICGF-241), calculated monthly as the sum of each consecutive 12 month period;

b. Fuel throughput for the four engine generator sets (Emission Units ICGF-094, ICGF-095, ICGF-096, and ICGF-097), combined, calculated monthly as the sum of each consecutive 12 month period;

c. All fuel supplier certifications;

d. Records of visual evaluations, visible emissions evaluations and any corrective action taken;

e. Scheduled and unscheduled maintenance, and operator training, for ICGF-094, ICGF-095, ICGF-096, ICGF-097, ICGF-238, ICGF-239, ICGF-240, and ICGF-241;

f. Inventory of spare parts;

g. DEQ-approved, pollutant-specific emission factors and equations used to show compliance with the emission limits contained in Part A of this section of this permit.

These records shall be available at the facility for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110, Condition 11 of NSR permit issued June 13, 2003, and Condition 12 of NSR/NSPS permit issued October 10, 2002)

19. The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions for ICGF-094, ICGF-095, ICGF-096, ICGF-097, ICGF-238, ICGF-239, ICGF-240, and ICGF-241:

a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.

b. Maintain an inventory of spare parts.

c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training, and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.
(9 VAC 5-80-110, Condition 19 of NSR/NSPS permit issued October 10, 2002, and Condition 17 of NSR permit issued June 13, 2003)

VI. Abrasive Blasting and Fiberglass Operations

The abrasive blasting unit associated with this section of the permit is ABRA-020. The fiberglass sanding and sawing operation associated with this section of the permit is identified as MISC-100 and MISC-101.

A. Limitations

1. The yearly throughput of steel shot for Emission Unit ABRA-020 shall not exceed 312 tons, calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110 and Specific Condition 4 of NSR permit issued August 2, 1985.

2. Emissions from the operation of the abrasive-blasting room (Emission Unit ABRA-020) shall not exceed the limitations specified below:

Particulate Matter	0.1 lbs/hr	0.1 tons/yr

(9 VAC 5-80-110 and Specific Condition 5 of NSR permit issued August 2, 1985)

3. Particulate emissions from the abrasive-blast room (Emission Unit ABRA-020) will be controlled by a baghouse, rated at least 99 percent efficient. The baghouse shall be provided with adequate access for inspection.
(9 VAC 5-80-110 and Specific Condition 6 of NSR permit issued August 2, 1985)

4. The permitted facility shall be designed and constructed so as to allow emissions testing using the methods prescribed upon reasonable notice at any time. Test ports will be provided at the baghouse stack exhaust (Emission Unit ABRA-020) to facilitate continuing compliance measurements.
(9 VAC 5-80-110, and Specific Condition 7 and General Condition 4 of NSR permit issued August 2, 1985)

5. All air pollution control equipment operators will be trained and certified in the proper operation of all such equipment. The permittee will maintain records of the required training and certification. Certification of training shall consist of a statement of time, place and nature of training provided This requirement applies to ABRA-20.
(9 VAC 5-80-110 and General Condition 6 of NSR permit issued August 2, 1985).

6. No owner or other person shall cause or permit to be discharged into the atmosphere from any affected facility any visible emissions which exhibit greater than twenty (20) percent opacity, except for one six-minute period in any one hour of not more than thirty (30) percent opacity. Failure to meet the requirements of this condition because of the presence of water vapor shall not be a violation of this condition. Applies to ABRA-020.
(9 VAC 5-50-80 and 9 VAC 5-80-110)

7. Visible emissions from MISC-100 and MISC-101 fabric filter exhaust shall not exceed five (5) percent opacity as determined by EPA Method 9.
(9 VAC 5-50-260 and Condition 14 of NSR permit issued December 8, 1999).

8. The opacity standard shall apply at all times except during periods of startup, shutdown, and malfunction and as otherwise provided in an applicable standard.
(9 VAC 5-50-20 A.3 and 9 VAC 5-80-110)

9. At all times, including periods of startup, shutdown and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 E and 9 VAC 5-80-110)

10. Particulate emissions from MISC-100 and MISC-101 shall be controlled by fabric filters. The fabric filters shall be provided with adequate access for inspection and shall be in operation when the sanding and sawing equipment is operating.
(9 VAC 5-50-260 and Condition 4 of NSR permit issued December 8, 1999).

11. The combined throughput (in pounds) of fiberglass resin, hardener, and mesh used in the fiberglass sanding and sawing equipment systems (MISC-100 and MISC-101) shall not exceed 2,105 pounds per year, calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-H and Condition 7 of NSR permit issued December 8, 1999).

B. Monitoring

12. The permittee shall perform a monthly visual emissions observation on each stack exhaust for each abrasive blasting area (Emission Units ABRA-020) and fiberglass sanding and sawing operation (Emission Units MISC-100 and MISC-101) during daylight hours and normal operation. If such visual observations indicate any visible emissions, the permittee shall take corrective action to correct the cause of the opacity. If such corrective actions fail to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six-minute VEE opacity average exceeds 10%, the VEE shall continue for an additional 12 minutes. If any of the six-minute averages during the 18 minutes exceeds 20%, the VEE shall continue for one hour from initiation on the stack to determine compliance with the opacity limit. The permittee shall record the details of the visual emissions observations, VEE, and any corrective actions. The records shall be kept at the facility and made available for inspection by the DEQ for the most recent five (5) year period.
(9 VAC 5-80-110 E)

13. The permittee shall ensure compliance with the baghouse efficiency requirement for ABRA-20 (at least 99% efficient) by equipping the baghouses with a device to continuously measure the differential pressure drop across the baghouse. Each device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times. The pressure drop across the baghouse shall be read and recorded at least once per shift when the unit is operating.
(9 VAC 5-80-110 E)

C. Recordkeeping and Reporting

14. The permittee shall retain records of all emission data and operating parameters required to be monitored by the terms of the NSR permit issued August 2, 1985. These records shall be maintained by the source for a period of at least 5 years.
(9 VAC 5-80-110 and General Condition 5 of NSR permit issued August 2, 1985)

15. The permittee will develop, maintain, in writing, and have available to all operators good operating procedures for all air pollution control equipment. A maintenance schedule for all such equipment will be established and made available to the DEQ for review. Records of service and maintenance will be maintained on file by the permittee for a period of five years. This requirement applies to ABRA-20.
(9 VAC 5-80-110 and General Condition 7 of NSR permit issued August 2, 1985)

16. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

a. The yearly throughput of steel shot for Emission Unit ABRA-020, calculated monthly as the sum of each consecutive 12 month period;

b. The yearly throughput of fiberglass resin, hardener, and mesh used in the fiberglass sanding and sawing equipment systems (MISC-100 and MISC-101), calculated monthly as the sum of each consecutive 12 month period;

c. Records of visual evaluations, visible emissions evaluations and any corrective action taken; and,

d. Records of pressure drop across the baghouse for ABRA-020.

These records shall be available at the facility for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110, General Condition 5 of NSR permit issued August 2, 1985, and Condition 17 of NSR permit issued December 8, 1999)

VII. Surface Coating Operations

The surface coating activities associated with this section of the permit consist of the following Emission Units:

PNTS-AERO: (Aerospace/Aircraft painting NESHAP) * denotes booth with monitoring requirements

	Bldg.	Unit Id.	Tenant	Description
	SP-35	PNTO-011	HC-2	Open hangar aircraft touch-up
	LP-3	PNTO-013	VRC-40	Open hangar aircraft touch-up
	LF-60	PNTO-014	MAG-42	Open hangar aircraft touch-up
	SP-31	PNTO-017	HM-14	Open hangar aircraft touch-up
	LP-33	PNTO-018	VR-56	Open hangar aircraft touch-up
	LP-34	PNTO-019	VAW-120	Open hangar aircraft touch-up
	SP-35	PNTO-100	HCS-4	Open hangar aircraft touch-up
	LP-12	PNTO-101	VAW-78	Open hangar aircraft touch-up
	LP-34	PNTO-102	VAW-121	Open hangar aircraft touch-up
	LP-2	PNTO-103	VAW-123	Open hangar aircraft touch-up
	LP-2	PNTO-104	VAW-124	Open hangar aircraft touch-up
	LP-27	PNTO-105	VAW-125	Open hangar aircraft touch-up
	LP-27	PNTO-106	VAW-126	Open hangar aircraft touch-up
*	LP-14	PNTS-011	AIMD 500	Booth - tire and hydraulics
*	SP-10	PNTS-018	AIMD 400	Booth - aircraft propellers
*	SP-312	PNTS-019	AIMD 600	Hood - electronic assemblies
	LP-167	PNTS-037	NADEP JAX	Open hangar aircraft touch-up
*	LP-167	PNTS-064	NADEP JAX	Booth - wing lugs
	LF-59	PNTS-100	HC-6	Open hangar aircraft touch-up
	LF-59	PNTS-101	HC-8	Open hangar aircraft touch-up
*	New Building	PNTS-122	AIMD 500	Booth (replace PNTS-011)
*	New Building	PNTS-123	AIMD 400	Booth (replace PNTS-018)

PNTS-OTHER: (Neither Aircraft or Ship NESHAP painting) * denotes booth with monitoring requirements

	Bldg.	Unit Id.	Tenant	Description
	A-81	PNTO-006	PWC Maintenance	Sign Shop
*	NM-110	PNTS-016	PWC Van Program	Booth – Transportable Equipment
*	SP-356	PNTS-020	AIMD 900	Booth - Ground Support Equipment
	LP-20	PNTS-021	PWC Transportation	Forklift repair
*	X-137	PNTS-066	FISC	Booth – Miscellaneous Parts

PNTS-SHIP: (Ship NESHAP painting) * denotes booth with monitoring requirements

	Bldg.	Unit Id.	Tenant	Description
	Q-72	PNTO-004	PWC Wharf Builders	Barge repair
	V-88	PNTO-026	VC-6	Small Craft
	Resolute	PNTO-038	Dry Dock	Submarine
	Pier-side	PNTO-107	Ships Forces	Recordkeeping waiver
	Pier-side	PNTO-108	Port Operations	Small Craft
	SP-31	PNTO-109	HM-14	Small Craft
	Pier-side	PNTO-112	Spruce Barge	Submarine Decks
	CEP-200	PNTO-123	SIMA 67x	Rubber cable moulding primer
	CEP-160/Piers	PNTO-124	SIMA 72B	Ships and ship parts
	Pier-side	PNTO-127	Contractor	Ships
	Pier-side	PNTO-128	Moran	Tugboats
	V-88	PNTS-060/61	VC-6	Insignificant hoods - small craft parts
	Q-50	PNTS-071	PWC Oil Recovery	Oil Recovery Vessels
*	CEP-209	PNTS-121	SIMA	Permitted Booth - Mast Fairings

A. Limitations

1. No owner or other person shall cause or permit to be discharged into the atmosphere from any affected facility any visible emissions which exhibit greater than twenty (20) percent opacity, except for one six-minute period in any one hour of not more than thirty (30) percent opacity. Failure to meet the requirements of this condition because of the presence of water vapor shall not be a violation of this condition. This condition applies to PNTS-BOOTH (except PNTS-121, PNTS-122, and PNTS-123).
(9 VAC 5-50-80 and 9 VAC 5-80-110)

2. The opacity standard shall apply at all times except during periods of startup, shutdown, and malfunction and as otherwise provided in an applicable standard.
(9 VAC 5-50-20 A.3 and 9 VAC 5-80-110)

3. At all times, including periods of startup, shutdown and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. This condition applies PNTS-BOOTH units.
(9 VAC 5-50-20 E and 9 VAC 5-80-110)

4. At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 F and 9 VAC 5-80-110)

5. Particulate emissions from PNTS-122 and PNTS-123 shall be controlled by paint arrest filters. The paint arrest filters shall be provided with adequate access for inspection and shall be in operation when the paint booths are operating.
(9 VAC 5-80-110 and Condition 3 of NSR/MACT permit issued February 5, 2003)

6. Particulate emissions from PNTS-121 shall be controlled by dry filters. The filters shall be provided with adequate access for inspection and shall be in operation when the paint booth is operating.
(9 VAC 5-80-110 and Condition 3 of NSR permit issued December 8, 1999)

7. The throughput of coatings to PNTS-122 shall not exceed 100 gallons per year, calculated monthly as the sum of each consecutive 12-month period. The throughput of coatings to PNTS-123 shall not exceed 8 gallons per year, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 6 of NSR/MACT permit issued February 5, 2003)

8. The throughput of coatings to PNTS-121 shall not exceed 1645 gallons per year, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 6 of NSR permit issued December 8,1999)

9. Emissions from the operation of PNTS-122 and PNTS-123 shall not exceed the limits specified below:

PNTS-122		
PM / PM10	2.9 lbs/hr	12.7 tons/yr
Volatile Organic Compounds	1.1 lbs/hr	4.8 tons/yr
PNTS-123		
Volatile Organic Compounds	0.6 lbs/hr	2.6 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 7 and 12 of this Section.
(9 VAC 5-80-110 and Condition 7 of NSR/MACT permit issued February 5, 2003)

10. Visible emissions from PNTS-122 and PNTS-123, each, shall not exceed 5 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-110 and Condition 8 of NSR/MACT permit issued February 5, 2003)

11. Visible emissions from PNTS-121 shall not exceed 5 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-110 and Condition 13 of NSR permit issued December 8, 1999)

12. The permittee shall comply with the requirements of 40 CFR 63 Subpart GG (Aerospace Manufacturing and Rework Facilities) and of 40 CFR 63 Subpart A, except as specified in 40 CFR 63.743(a) and Table 1 of 40 CFR 63 Subpart GG.
(9 VAC 5-80-110, 40 CFR 63.741(b), and Condition 5 of NSR/MACT permit issued February 5, 2003)

13. The permittee shall comply with the requirements of 40 CFR 63 Subpart II (Shipbuilding and Ship Repair (Surface Coating)) and of 40 CFR 63 Subpart A, as specified in Table 1 of 40 CFR 63 Subpart II.
(9 VAC 5-80-110 and 40 CFR 63.780)

14. The provisions of 40 CFR Part 63 Subpart II do not apply to "low-usage exempt" coatings used in volumes of less than 52.8 gallons per year for each coating, and 264 gallons per year of all such coatings. Coatings exempt under this condition shall be clearly labeled as "low-usage exempt". This condition applies to PNTS-SHIP.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.781(b))

15. No owner or operator shall cause or allow the application of any coating to a ship with an as-applied VOHAP content exceeding the applicable limit given in Table 2 of 40 CFR 63, Subpart II. This condition applies to PNTS-SHIP.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.783(a))

16. Each owner or operator of a new or existing affected source shall ensure that:

a. All handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills.

b. All containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them.

This condition applies to PNTS-SHIP.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.783(b))

17. For each batch of coating that is received, the owner or operator shall:

a. Determine the coating category and the applicable VOHAP limit as specified in 40 CFR 63.783(a).

b. Certify the as-supplied VOC content of the coating.

This condition applies to PNTS-SHIP.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.785(a))

18. In lieu of testing each batch of coating, as applied, the owner or operator may determine compliance with the VOHAP limits using any combination of the procedures described in 40 CFR 63.785 (c)(1), (c)(2), (c)(3), and (c)(4). The procedure used for each coating shall be determined and documented prior to application. This condition applies to PNTS-SHIP.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.785(b)(1))

19. Each owner or operator that uses an air pollution control device or equipment to control HAP emissions shall prepare and operate in accordance with a startup, shutdown, and malfunction plan in accordance with 40 CFR 63.6. Dry particulate filter systems operated per the manufacturer's instructions are exempt from a startup, shutdown and malfunction plan. A startup, shutdown and malfunction plan shall be prepared for facilities using locally prepared operating procedures. In addition to the information required in 40 CFR 63.6, this plan shall also include the following provisions:

a. The plan shall specify the operation and maintenance criteria for each air pollution control device for equipment and shall include a standardized checklist to document the operation and maintenance of the equipment;

b. The plan shall include a systematic procedure for identifying malfunctions and for reporting them immediately to supervisory personnel; and,

c. The plan shall specify procedures to be followed to ensure that equipment or process malfunctions due to poor maintenance or other preventable conditions do not occur.

This condition applies to Emission Units PNTS-011, PNTS-018, PNTS-019, PNTS-064, PNTS-122, and PNTS-123 (PNTS-AERO booths).
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.743(b))

20. All cleaning operations shall comply with the following requirements:

a. Place cleaning solvent-laden cloth, paper, or any other absorbent applicators used for cleaning in bags or other closed containers upon completing their use. Ensure that these bags and containers are kept closed at all times except when depositing or removing these materials from the container. Use bags and containers of such design so as to contain the vapors of the cleaning solvent. Cotton-tipped swabs used for very small cleaning operations are exempt from this requirement.

b. Store fresh and spent cleaning solvents, except semi-aqueous solvent cleaners, used in aerospace cleaning operations in closed containers.

c. Conduct the handling and transfer of cleaning solvents to or from enclosed systems, vats, waste containers, and other cleaning operation equipment that hold or store fresh or spent cleaning solvents in such a manner that minimizes spills.

This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.744(a))

21. Hand-wipe cleaning operations shall use cleaning solvents that meet one of the following requirements:

a. Meet one of the composition requirements for approved cleaning solvents;

b. Have a composite vapor pressure of 45 mm Hg or less at 20 C; or,

c. Demonstrate that the volume of hand-wipe solvents used in cleaning operations has been reduced by at least 60% from the baseline.

This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.744(b))

22. Each owner or operator of a spray gun cleaning operation in which spray guns are used for the application of coatings or any other materials that require the spray guns to be cleaned shall use one or more of the following techniques, or their equivalent, as specified and described in 40 CFR 63.744(c):

a. Enclosed system;

b. Nonatomized cleaning;

c. Disassembled spray gun cleaning;

d. Atomizing cleaning.

e. Cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems that can be programmed to spray into a closed container, shall be exempt from the requirements of paragraph (c) of 40 CFR 63.744.

If leaks are found in the enclosed system during the monthly inspection required in 40 CFR 63.751(a), repairs shall be made as soon as practicable, but no later than 15 days after the leak was found. If the leak is not repaired by the 15th day after detection, the cleaning solvent shall be removed, and the enclosed cleaner shall be shut down until the leak is repaired or its use is permanently discontinued.
This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.744(c))

23. Used cleaning solvent from flush-cleaning operations shall be emptied each time aerospace parts or assemblies, or components of a coating unit are flush cleaned into an enclosed container or collection system that is kept closed when not in use or into a system with equivalent emission control. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.744(d))

24. The handling and transfer of primers and topcoats to or from containers, tanks, vats, vessels, and piping systems shall be conducted in such a manner that minimizes spills. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, 40 CFR 63.745(b), and Condition 4 of NSR/MACT permit issued February 5, 2003)

25. The uncontrolled coatings organic HAP and VOC content levels shall not exceed the following:

a. 2.9 pounds organic HAP per gallon of primer, less water, as applied;

b. 2.9 pounds VOC per gallon of primer, less water and exempt solvents, as applied;

c. 3.5 pounds organic HAP per gallon of topcoat, less water, as applied;

d. 3.5 pounds VOC per gallon of topcoat, less water and exempt solvents, as applied.

This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.745(c))

26. All primers and topcoats (including self-priming topcoats) shall be applied using one or more of the following application techniques:

a. Flow/curtain coat application;

b. Dip coat application;

c. Roll coating;

d. Brush coating;

e. Cotton-tipped swab application;

f. Electrodeposition (dip) coating;

g. High volume low pressure (HVLP) spraying;

h. Electrostatic spray application;

i. Other coating application methods that achieve emission reductions equivalent to HVLP or electrostatic spray application methods.

This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.745(f)(1))

27. All application devices used to apply primers or topcoats (including self-priming topcoats) shall be operated according to company procedures, local specified operating procedures, and/or the manufacturer's specifications, whichever is most stringent, at all times. Equipment modified by the facility shall maintain a transfer efficiency equivalent to HVLP and electrostatic spray application techniques. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.745(f)(2))

28. The following situations are exempt from the requirements of 40 CFR 63.745(f)(1):

a. Any situation that normally requires the use of an airbrush or an extension on the spray gun to properly reach limited access space;

b. The application of coatings that contain fillers that adversely affect atomization with HVLP spray guns and that the permitting agency has determined cannot be applied by any of the application methods specified in paragraph 40 CFR 63.745(f)(1);

c. The application of coatings that normally have a dried film thickness of less than 0.0013 centimeter (0.0005 in.) and that the permitting agency has determined cannot be applied by any of the application methods specified in paragraph 40 CFR 63.745(f)(1);

d. The use of airbrush application methods for stenciling, lettering, and other identification markings;

e. The use of hand-held spray can application methods; and,

f. Touch-up and repair operations.

This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.745(f)(3))

29. The handling and transfer of waste that contains HAP to or from containers, tanks, vats, vessels, and piping systems shall be conducted in such a manner that minimizes spills. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.748)

30. Any facility subject to 40 CFR 63 subpart GG shall be considered in noncompliance if the owner or operator fails to submit a startup, shutdown, and malfunction plan as required by 40 CFR 63.743(b) or uses a control device other than one specified in 40 CFR 63 Subpart GG that has not been approved by the Administrator. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.749(b))

31. Each cleaning operation subject to 40 CFR 63 subpart GG shall be considered in noncompliance if the owner or operator fails to institute and carry out the housekeeping measures required under 40 CFR 63.744(a). Incidental emissions resulting from the activation of pressure release vents and valves on enclosed cleaning systems are exempt from this condition. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.749(c))

32. Hand-wipe cleaning operations shall be considered in compliance when all hand-wipe cleaning solvents, excluding those used for hand cleaning of spray gun equipment under 40 CFR 63.744(c)(3), meet either the composition requirements specified in 40 CFR 63.744(b)(1) or the vapor pressure requirement specified in 40 CFR 63.744(b)(2). This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.749(c)(1))

33. Spray gun cleaning operations shall be considered in compliance when each of the following conditions is met:

a. One of the four techniques specified in 40 CFR 63.744(c)(1) through (c)(4) is used;

b. The technique selected is operated according to the procedures specified in 40 CFR 63.744(c)(1) through (c)(4) as appropriate; and,

c. If an enclosed system is used, monthly visual inspections are conducted and any leak detected is repaired within 15 days after detection. If the leak is not repaired by the 15th day after detection, the solvent shall be removed and the enclosed cleaner shall be shut down until the cleaner is repaired or its use is permanently discontinued.

This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.749(c)(2))

34. A flush cleaning operation shall be considered in compliance if the operating requirements specified in 40 CFR 63.744(d) are implemented and carried out. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.749(c)(3))

B. Monitoring

35. The permittee shall perform a monthly visual emissions observation on the exhaust for units in PNTS-BOOTH. If such visual observations indicate any visible emissions, the permittee shall take corrective action to correct the cause of the opacity. If such corrective actions fail to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR Part 60, Appendix A, method 9 for six minutes to determine compliance with the opacity limit for the specific unit. If the six-minute VEE opacity average exceeds 50% of the specified standard for a specific unit, the VEE shall continue for an additional 12 minutes for that unit. If any of the six-minute averages during the 18 minutes exceeds the specified standard for a specific unit, the VEE for that specific unit shall continue for one hour from initiation on the stack to determine compliance with the opacity limit. The permittee shall record the details for the visual emissions observations, VEE, and any corrective actions. The records shall be kept at the facility and made available for inspection by the DEQ for the most recent five (5) year period.
(9 VAC 5-80-110)

36. The seals and all other potential sources of leaks associated with each enclosed gun spray cleaner system shall be visually inspected at least once per calendar month. Each inspection shall occur while the system is in operation. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.751(a))

37. If a dry particulate filter system is used to meet the requirements of 40 CFR 63.745(g)(2), the pressure drop across each dry particulate filter system shall be continuously monitored while primer or topcoat application operations are occurring. The pressure drop shall be read and recorded once per shift. This condition applies to PNTS-011, PNTS-018, PNTS-019, PNTS-064, PNTS-122, and PNTS-123 (PNTS-AERO booths).
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.751(c)(1))

38. If a conventional waterwash system is used to meet the requirements of 40 CFR 63.745(g)(2), the water flow rate through the system shall be continuously monitored while primer or topcoat operations are occurring. The water flow rate shall be read and recorded once per shift. If a pumpless waterwash system is used, the parameter(s) recommended by the booth manufacturer that indicate booth performance shall be measured and recorded once per shift. This condition applies to PNTS-011, PNTS-018, PNTS-019, PNTS-064, PNTS-122, and PNTS-123 (PNTS-AERO booths).
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.751(c)(2))

39. If a dry particulate filter or a conventional waterwash system are used while depainting operations are occurring, the pressure drop across the particulate filters or the water flow rate through the conventional waterwash system shall be continuously monitored. The pressure drop or the water flow rate shall be read and recorded once per shift. If a pumpless waterwash system is used while depainting operations are occurring, the parameter(s) recommended by the booth manufacturer that indicate booth performance shall be measured and recorded once per shift. This condition applies to PNTS-011, PNTS-018, PNTS-019, PNTS-064, PNTS-122, and PNTS-123 (PNTS-AERO booths).
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.751(d))

40. For each compliance procedure used (40 CFR 63.785(c)(1), (2), (3), and (4)), the permittee shall maintain records to demonstrate compliance with the chosen procedures. This condition applies to PNTS-SHIP.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.785(c))

C. Recordkeeping and Reporting

41. The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Tidewater Regional Office. These records shall include, but are not limited to:

a. Monthly and annual throughput (in gallons) for PNTS-122 and PNTS-123, each. Annual throughput shall be calculated monthly as the sum of each consecutive 12-month period.

b. VOC certifications.

c. Records as applicable to ensure compliance with the requirements of 40 CFR 63.752, for PNTS-122 and PNTS-123.

These records shall be available for inspection by the DEQ and shall be current for at least the most recent five years.
(9 VAC 5-80-110 and Condition 9 of NSR/MACT permit issued February 5, 2003)

42. The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:

a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance for PNTS-122 and PNTS-123.

b. Maintain an inventory of spare parts for PNTS-122 and PNTS-123.

c. Have available written operating procedures for PNTS-122 and PNTS-123 equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

d. Train operators in the proper operation of PNTS-122 and PNTS-123 and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training, and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.
(9 VAC 5-80-110 and Condition 17 of NSR/MACT permit issued February 5, 2003)

43. Each owner or operator shall comply with the applicable recordkeeping and reporting requirements in 40 CFR 63.10(a), (b), (d), and (f). This condition applies to PNTS-SHIP.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.788(a))

44. Each owner or operator of a major source shipbuilding or ship repair facility having surface coating operations with less than 264 gallons annual marine coating usage shall record the total volume of coating applied at the source to ships. Such records shall be compiled monthly and maintained for a minimum of 5 years. This condition applies to PNTS-SHIP.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.788(b)(1))

45. Each owner or operator of an affected source shall compile records on a monthly basis and maintain those records for a minimum of 5 years. At a minimum, these records shall include:

a. All documentation supporting initial notification;

b. A copy of the affected source's approved implementation plan;

c. The volume of each low-usage-exempt coating applied;

d. Identification of the coatings used, their appropriate coating categories, and the applicable VOHAP limit;

e. Certification of the as-supplied VOC content of each coating;

f. A determination of whether containers meet the standards as described in 40 CFR 63.783(b)(2); and,

g. The results of any Method 24 of Appendix A to 40 CFR Part 60 or approved VOHAP measurement test conducted on individual containers of coating, as applied.

h. Additional information, as determined by the compliance procedure(s) described in 40 CFR 63.785(c) that the affected source followed.

This condition applies to PNTS-SHIP.
(9 VAC 5-60-100, 9 VAC 5-80-110, 40 CFR 63.788(b)(2), and 40 CFR 63.788(b)(3))

46. Before the 60th day following completion of each 6-month period after the compliance date specified in 40 CFR 63.784, each owner or operator shall submit a report to the Administrator for each of the previous 6 months. The report shall include all of the information that must be retained pursuant to paragraphs (b)(2) through (3) of 40 CFR 63.788, except for that information specified in paragraphs (b)(2)(i) through (ii), (b)(2)(v), (b)(3)(i)(A), (b)(3)(ii)(A), and (b)(3)(iii)(A). If a violation is detected, the source shall also report the information specified in paragraph (b)(4) of 40 CFR 63.784 for the reporting period during which the violation(s) occurred. To the extent possible, the report shall be organized according to the compliance procedure(s) followed each month by the source. This condition applies to PNTS-SHIP.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.788(c))

47. Each owner or operator of a new or existing cleaning operation subject to 40 CFR 63 Subpart GG shall record the information specified in 40 CFR 63.752(b)(1) through (b)(5), as appropriate. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63.752(b))

48. Each owner or operator required to comply with the organic HAP and VOC content limits specified in 40 CFR 63.745(c) shall record the information specified in 40 CFR 63.752(c)(1) through (c)(6), as appropriate. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.752(c))

49. Each owner or operator complying with 40 CFR 63.745(g) for the control of inorganic HAP emissions from primer and topcoat application operations through the use of a dry particulate filter system or a HEPA filter system shall record the pressure drop across the operating system once each shift during which coating operations occur. This condition applies to PNTS-011, PNTS-018, PNTS-019, PNTS-064, PNTS-122, and PNTS-123 (PNTS-AERO booths).
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.752(d)(1))

50. Each owner or operator complying with 40 CFR 63.745(g) through the use of a conventional waterwash system shall record the water flow rate through the operating system once each shift during which coating operations occur. Each owner or operator complying with 40 CFR 63.745(g) through the use of a pumpless waterwash system shall record the parameter(s) recommended by the booth manufacturer that indicate the performance of the booth once each shift during which coating operations occur. The log shall include the acceptable limit(s) of pressure drop, water flow rate, or for the pumpless waterwash booth, the booth manufacturer recommended parameter(s) that indicate the booth performance, as applicable, as specified by the filter or booth manufacturer or in locally prepared operating procedures. This condition applies to PNTS-011, PNTS-018, PNTS-019, PNTS-064, PNTS-122, and PNTS-123 (PNTS-AERO booths).
(9 VAC 5-60-100, 9 VAC 5-80-110, 40 CFR 63.752(d)(2), and 40 CFR 63.752(d)(3))

51. Each owner or operator subject to the depainting standards specified in 40 CFR 63.746 shall record the information specified in 40 CFR 63.752(e)(1) through (e)(7), as appropriate. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.752(e))

52. Except as provided in paragraphs (a)(2) and (a)(3) of 40 CFR 63.753, each owner or operator subject to 40 CFR part 63, subpart GG shall fulfill the requirements contained in 40 CFR 63.9(a) through (e) and (h) through (j), Notification requirements, and 40 CFR 63.10(a), (b), (d), and (f), Recordkeeping and reporting requirements, of the General Provisions, 40 CFR part 63, subpart A. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.753(a)(1))

53. Each owner or operator subject to 40 CFR part 63 subpart GG comply with the reporting requirements of 40 CFR 63.753 (b) through (e), as applicable.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.753 (b) through (e))

54. The permittee shall furnish written notification to Director, Tidewater Regional Office, of:

a. The actual date on which construction of PNTS-122 and PNTS-123 commenced, within 30 days after such date.

b. The anticipated startup date of the paint booths postmarked not more than 60 days nor less than 30 days prior to such date.

c. The actual start-up date of the paint booths within 15 days after such date.

Copies of written notification referenced in items a through c above are to be sent to:

Associate Director
Office of Air Enforcement (3AP10)
U.S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

(9 VAC 5-80-110 and Condition 11 of NSR/MACT permit issued February 5, 2003)

VIII. Woodworking Operations

The woodworking operations associated with this section of the permit consist of the following, to be referred to as WOOD-GRP1: WOOD-007, WOOD-011, WOOD-012, WOOD-013, WOOD-014, WOOD-018, WOOD-020, WOOD-022, WOOD-025. WOOD-PNT1 consists of various units located at the facility, but covers all Wood Furniture Manufacturing Operations NESHAP coating emissions.

A. Limitations

1. Particulate emissions caused by any woodworking operation (WOOD-GRP1) shall not be discharged into the atmosphere without providing, as a minimum, for their collection, adequate duct work and properly designed collectors, or such other devices, as approved by the board.
(9 VAC 5-40-2270 A, 9 VAC 5-50-10 D, and 9 VAC 5-80-110)

2. Particulate emissions from each woodworking operation (WOOD-GRP1) shall not exceed 0.05 grains per standard cubic feet of exhaust gas.
(9 VAC 5-40-2270 B, 9 VAC 5-50-10 D, and 9 VAC 5-80-110)

3. Visible emissions from each woodworking operation (WOOD-GRP1) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-50-20 A.2, 9 VAC 5-50-80, and 9 VAC 5-80-110)

4. The permittee shall comply with the requirements of 40 CFR 63 Subpart JJ (Wood Furniture Manufacturing Operations) and of 40 CFR 63 Subpart A, as identified in Table 1 of 40 CFR 63 Subpart JJ. This condition applies to WOOD-PNT1.
(9 VAC 5-80-110 and 40 CFR 63.800(d))

5. The owner or operator of a source that meets the definition for an incidental wood furniture manufacturer shall maintain purchase or usage records demonstrating that the source meets the definition in 40 CFR 63.801 of "incidental wood furniture manufacturer", but the source shall not be subject to any other provisions of 40 CFR part 63 Subpart JJ. This condition applies to WOOD-PNT1.
(9 VAC 5-60-100, 9 VAC 5-80-110, 40 CFR 63.800(a), and 40 CFR 63.801)

B. Monitoring

6. An annual internal inspection shall be conducted at least once each 12 consecutive calendar months on each cyclone and/or baghouse for each woodworking facility (WOOD-GRP1) by the permittee to ensure structural integrity. Each cyclone and/or baghouse shall be maintained and operated according to the manufacturer's recommendations.
(9 VAC 5-80-110)

7. The permittee shall perform an annual (at least once each 12 consecutive calendar months) visual observation for the exhaust at each woodworking facility (WOOD-GRP1) during normal operations. If such visual observations indicate any opacity, the permittee shall take appropriate action to correct the cause of the opacity. If such corrective action fails to correct the problem, the permittee shall conduct a visible emission evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six-minute VEE average exceeds 10%, the VEE shall continue for an additional 12 minutes. If any six-minute average during the 18 minutes exceeds 20%, the VEE shall continue for one hour from initiation to determine compliance with the opacity limit. The permittee shall record the details of the visual observations, Method 9 evaluations, and corrective actions. The records shall be kept at the facility and made available for inspection by the DEQ for the most recent five (5) year period
(9 VAC 5-80-110 E)

C. Recordkeeping and Reporting

8. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

a. Annual inspection results of the cyclones and/or baghouses;

b. Records of visual evaluations, visible emissions evaluations and any corrective action taken;

c. DEQ-approved, pollutant-specific emission factors and equations used to show compliance with the emission limits contained in Part A of this section of this permit.

These records shall be available at the facility for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110)

9. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to purchase or usage records demonstrating that the source meets the definition of "incidental wood furniture manufacturer". These records shall be available at the facility for inspection by the DEQ and shall be current for the most recent five years. This condition applies to WOOD-PNT1.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.800(a))

IX. Gasoline Pumps (Service Stations)

The gasoline pumps associated with this section of the permit consist of the following emission units: GSTA-001, GSTA-015, GSTA-016 (CD-11); GSTA-002 (CEP-66); GSTA-007 (P-64); GSTA-010 (U-113); GSTA-005, GSTA-025, GSTA-096 (MCE-224); and TNKU-272.

A. Limitations

1. No owner or other person shall transfer or permit the transfer of gasoline from any tank truck into any stationary source storage tank unless such tank is equipped with a vapor control system that will remove, destroy or prevent the discharge into the atmosphere of at least 90% by weight of volatile organic compound emissions. Achievement of this emission standard shall be by a submerged fill pipe. Compliance with this condition shall be determined by Condition B.4 of this section.
(9 VAC 5-40-5220 E and 9 VAC 5-80-110)

2. At all times, including periods of startup, shutdown and malfunction, the gasoline pumps and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 E and 9 VAC 5-80-110)

3. At all times, the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 F and 9 VAC 5-80-110)

B. Monitoring and Recordkeeping

4. At least annually (12 consecutive months), the permittee shall observe a gasoline delivery to GSTA-001, GSTA-015, GSTA-016 (CD-11); GSTA-002 (CEP-66); GSTA-007 (P-64); GSTA-010 (U-113); GSTA-005, GSTA-025, GSTA-096 (MCE-224) for the Stage I vapor recovery system usage to ensure the Stage I connector on the tank is operating properly. The observations shall be recorded, kept at the facility, and made available for inspection by the DEQ for the most recent five (5) year period.
(9 VAC 5-80-110 E)

X. Degreasing Operations

The degreasing operations associated with this section of the permit consist of the various emission units located at the facility, identified as DEGS-GRP1.

A. Limitations

1. Vapor control is required for each cold cleaner (DEGS-GRP1) to remove, destroy, or prevent the discharge into the atmosphere of at least 85% by weight of volatile organic compound emissions. Achievement of the 85% vapor control shall be done by the following:

a. Covers or enclosed remote reservoirs;

b. Drainage facilities to collect and return solvent to a closed container or a solvent cleaning machine;

c. A permanent label, summarizing the operating procedures in 9 VAC 5-40-3290 C (2)(a-c) on/near the cold cleaning unit(s);

d. If used, the solvent spray should be a solid, fluid stream (not a fine, atomized or shower type spray) and at a pressure which does not cause excessive splashing.

(9 VAC 5-40-3280 C(1) and C(2), 9 VAC 5-40-3290 (C) and (D), and 9 VAC 5-80-110)

2. The following operating procedures for the cold cleaning units (DEGS-GRP1) shall be followed:

a. Waste solvent should not be disposed of or transferred to another party, such that greater than 20% of the waste (by weight) can evaporate to the atmosphere. Waste solvent shall be stored in containers only.

b. The cold cleaning unit cover should be closed whenever not handling parts in the cold cleaner.

c. Cleaned parts should drain for at least 15 seconds or until dripping ceases.

(9 VAC 5-40-3290 C(2)(a-c) and 9 VAC 5-80-110)

3. Disposal of waste solvent from the cold cleaning units (DEGS-GRP1) shall be done by one of the following:

a. Reclamation (either by outside services or in-house), or

b. Incineration.

(9 VAC 5-40-3290 D and 9 VAC 5-80-110)

B. Monitoring

4. Each degreasing unit (DEGS-GRP1) will be inspected once per calendar year to ensure the label with the operating procedures is placed on or near each degreasing unit. (9 VAC 5-40-3280 C(1) and C(2), 9 VAC 5-40-3290 (C) and (D), and 9 VAC 5-80-110)

5. Each degreasing unit (DEGS-GRP1) will be inspected once per calendar year to ensure that each has a cover or enclosed remote reservoir, and waste solvent from each unit is to be stored in closed containers.
(9 VAC 5-40-3280 C(1) and C(2), 9 VAC 5-40-3290 (C) and (D), and 9 VAC 5-80-110 E)

C. Recordkeeping

6. The permittee shall maintain records of the following items for DEGS-GRP1:

   a. Annual inspection results and any corrective actions taken;

   b. Methods of waste solvent disposal.

These records shall be available at the facility for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110)

XI. Off-Site Waste NESHAP and Container NESHAP

A. Limitations

1. For a container having a design capacity greater than 0.1 m^3 and less than or equal to 0.46 m^3, the owner or operator must control air emissions from the container in accordance with the requirements of 40 CFR 63.688(b)(1)(i): Container Level 1 controls as specified in 40 CFR Part 63 Subpart PP - National Emission Standards for Containers.
(9 VAC 5-80-110 and 40 CFR 63 Subpart DD)

2. The provisions of 40 CFR Part 63 Subpart A, as specified in Table 2 of 40 CFR 63 Subpart DD, apply for containers affected by 40 CFR 63 Subpart DD.
(9 VAC 5-80-110 and 40 CFR 63.680 (f))

3. 40 CFR 63.922 applies to owners and operators subject to 40 CFR Part 63 Subpart PP and required to control air emissions from containers using Container Level 1 controls.
(9 VAC 5-80-110 and 40 CFR 63.922(a))

4. A container using Container Level 1 controls is one listed in 40 CFR 63.922 (b)(1), (b)(2), or (b)(3).
(9 VAC 5-80-110 and 40 CFR 63.922(b))

5. A container used to meet the requirements of either 40 CFR 63.922(b)(2) or (b)(3) shall be equipped with covers and closure devices, as applicable to the container, that are composed of suitable materials to minimize exposure of the regulated-material to the atmosphere and to maintain the equipment integrity for as long as it is in service.
(9 VAC 5-80-110 and 40 CFR 63.922(c))

6. Whenever a regulated-material is in a container using Container Level 1 controls, the owner or operator shall install all covers and closure devices for the container, and secure and maintain each closure device in the closed position except as identified in 40 CFR 63.922 (d)(1), (d)(2), (d)(3), (d)(4), or (d)(5).
(9 VAC 5-80-110 and 40 CFR 63.922(d))

7. The owner or operator shall inspect containers using Container Level 1 controls in accordance with the procedures specified in 40 CFR 63.926(a).
(9 VAC 5-80-110 and 40 CFR 63.922(e))

8. For the purposes of compliance with 40 CFR 63.922(b)(1), containers shall be used that meet the applicable U. S. DOT regulation on packaging hazardous materials for transportation as given in 40 CFR 63.922(f)(1), (f)(2), (f)(3), or (f)(4).
(9 VAC 5-80-110 and 40 CFR 63.922(f))

B. Monitoring

9. Owners and operators of containers using either Container Level 1 or Container Level 2 controls in accordance with the provisions of 40 CFR 63.922 and 40 CFR 63.923, shall inspect the container and its cover and closure device as described in 40 CFR 63.926(a).
(9 VAC 5-80-110 and 40 CFR 63.926(a))

C. Recordkeeping and Reporting

10. The owner or operator subject to 40 CFR Part 63 Subpart DD shall comply with the recordkeeping and reporting requirements as specified in Table 2 of 40 CFR Part 63 Subpart DD.
(9 VAC 5-80-110, 40 CFR 63.696(a), and 40 CFR 63.697(a)(2))

XII. Facility-Wide Conditions

A. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-40-30, 9 VAC 5-50-30, and 9 VAC 5-80-110)

2. If testing to demonstrate compliance is conducted in addition to the monitoring specified in this permit, the permittee shall use the following methods in accordance with procedures approved by the DEQ as follows:

The following table applies only to those pollutants that have emission limits.

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 18, 25, 25a
VOC Content	EPA Methods 24, 24a
NO_x	EPA Method 7
SO_2	EPA Method 6
CO	EPA Method 10
PM/PM-10	EPA Method 5, 17
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

XIII. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720. These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

UNIT REF. NO. (a)	Emission unit description	Exemption code (see below)	Pollutant(s) emitted	Rated Capacity
ABRA-015 (Q-72, PWC)	Outdoor Sandblasting at Wharf Builders	2	Antimony, Cadmium, Chromium, Cobalt, & Cyanide compounds Lead, Manganese, & Nickel compounds, PM/PM10, Phosphorus	N/A
ABRA-GRP1 (VARIOUS, VARIOUS)	Glovebox Abrasive Blasting Operations	2	Antimony, Cadmium, Chromium, Cobalt, & Cyanide compounds Lead, Manganese, & Nickel compounds, PM/PM10, Phosphorus	N/A
BOIL-GRP1 (VARIOUS)	External Combustion Boilers < 10 MMBtu/hr Natural Gas	2	CO, NOx, PM, PM10, SOx, VOC	< 10 MMbtu/hr
BOIL-GRP2 (VARIOUS)	External Combustion Boilers < 1 MMBtu/hr Distillate Oil	2	CO, Formaldehyde, Lead, Nox, PM, PM10, POM, SOx, VOC	< 1 MMbtu/hr
CAST-001 (CEP-200, SIMA)	Zinc Melting and Casting	2	CO, NOx, PM, PM10, SOx, VOC	N/A
CHMC-002 (CEP-200)	Acid Dip Tank	2	PM, PM10	N/A
CHMC-003 (CEP-200)	Neutralization Tank	2	PM, PM10	N/A
CLNO-045 (SP-234)	Parachute Loft & Fabric Shop Hand Wipe Cleaning	2	Methyl ethyl ketone, VOC	N/A
CLNO-GRP1 (VARIOUS)	Paint Gun Washers - Aerospace NESHAP	2	PM, PM10, VOC	N/A
CLNO-GRP2 (VARIOUS)	Paint Gun Washers - Other	2	PM, PM10, VOC	N/A
DEGS-GRP1 (VARIOUS)	Solvent Degreasers and Parts Washers	2	1,4-Dichlorobenzene, Ethylbenzene, Petroleum Naptha, Monoethanolamine, Naphthalene, Toluene VOC, Xylenes	N/A
ENGT-015 (V-088, NADEP JAX)	Outboard Motor Testing	2	Acetaldehyde, Benzene, CO, Chlorine, Ethylbenzene, Formaldehyde Hexane, NOx, PM/PM10, SOx, Toluene, VOC, Xylenes	N/A
FIRI-001 (CEP-161)	Indoor Firing Range	2	Lead, PM, PM10	N/A
FIRI-002 (CEP-161)	Indoor Firing Range	2	Lead, PM, PM10	N/A
FIRI-003 (CEP-161)	Indoor Firing Range	2	Lead, PM, PM10	N/A
FIRI-004 (MCA-604)	Indoor Firing Range	2	Lead, PM, PM10	N/A
FURN-GRP1 (VARIOUS)	External Combustion Furnaces < 10 MMBtu/hr Nat Gas	2	CO, NOx, PM, PM10, SOx, VOC	< 10 MMbtu/hr
FURN-GRP2 (VARIOUS)	External Combustion Furnaces < 1 MMbtu/hr Distillate Oil	2	CO, Formaldehyde, Lead, NOx, PM, PM10, POM, SOx, VOC	< 1 MMBtu/hr
GSTA-005 (MCE-224)	MCE Service Station - Gasoline Pump	2	See Note (b) gasoline dispensing emissions	N/A
GSTA-017 (CD-11)	NEX Service Station – Diesel Pump	2	Naphthalene, VOC	N/A
GSTA-018 (P-64)	NEX Service Station -Gasoline Pump	2	See Note (b) gasoline dispensing emissions	N/A
GSTA-019 (P-64)	NEX Service Station -Gasoline Pump	2	See Note (b) gasoline dispensing emissions	N/A
GSTA-020 (CEP-66)	NEX Service Station -Gasoline Pump	2	See Note (b) gasoline dispensing emissions	N/A
GSTA-024 (U-113)	NEX Service Station - Gasoline Pump	2	See Note (b) gasoline dispensing emissions	N/A
GSTA-025 (MCE-224)	MCE Service Station - Gasoline Pump	2	See Note (b) gasoline dispensing emissions	N/A
GSTA-044 (LP-117)	JP-5 Pump	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
GSTA-045 (LP-117)	JP-5 Pump	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A

UNIT REF. NO. (a)	Emission unit description	Exemption code (see below)	Pollutant(s) emitted	Rated Capacity
GSTA-055 (SP-356)	JP-5 Hand Pump	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
GSTA-073 (CEP-66)	NEX Service Station -Gasoline Pump	2	See Note (b) gasoline dispensing emissions	N/A
GSTA-074 (U-11)	NEX Service Station - Gasoline Pump	2	See Note (b) gasoline dispensing emissions	N/A
GSTA-077 (U-113)	NEX Service Station – Diesel Pump	2	Naphthalene, VOC	N/A
GSTA-096 (MCE-224)	MCE Service Station - Gasoline Pump	2	See Note (b) gasoline dispensing emissions	N/A
GSTA-099 (P-64)	NEX Service Station –Kerosene Pump	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
GSTA-GRP1 (VARIOUS)	Gasoline Dispensing Not Associated With Service Stations	2	See Note (b) gasoline dispensing emissions	N/A
ICGF-030 (A-128)	Internal Combustion Engines	2, 3	See note (a) diesel generator emissions	45 kW
ICGF-040 (CA-482)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	50 kW
ICGF-041 (CA-482)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	50 kW
ICGF-043 (CA-6, PWC)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	65 kW
ICGF-046 (CD-2)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	180 kW
ICGF-047 (CD-3)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	90 kW
ICGF-050 (CEP-161)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	7.50 kW
ICGF-051 (CEP-167, PWC)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	80 kW
ICGF-052 (CEP-183)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	100 kW
ICGF-053 (CEP-186, PWC)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	115 kW
ICGF-054 (CEP-9, PWC)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	115 kW
ICGF-057 (GATE 3)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	20 kW
ICGF-059 (LP-1)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	60 kW
ICGF-064 (KBB)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	125 kW
ICGF-065 (LAG-110)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	60 kW
ICGF-067 (LF-62)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	75 kW
ICGF-069 (LP-112)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	300 kW
ICGF-071 (LP-166)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	60 kW
ICGF-072 (LP-205)	Internal Combustion Engine	2,3	See Note (a) diesel generator emissions	450 kW
ICGF-073 (LP-209)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	250 kW
ICGF-074 (LP-33)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	155 kW
ICGF-077 (N-25A)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	100 kW
ICGF-078 (N-26)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	60 kW
ICGF-080 (NH-12A)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	180 kW
ICGF-082 (NH-139)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	350 kW
ICGF-083 (NH-139)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	350 kW
ICGF-084 (NH-142)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	30 kW
ICGF-085 (NH-19)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	425 kW
ICGF-086 (NH-19)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	425 kW
ICGF-089 (NH-35)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	35 kW
ICGF-093 (NH-95)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	280 kW
ICGF-099 (NM-154)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	50 kW
ICGF-101 (NM-72)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	150 kW
ICGF-102 (NM-75)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	75 kW
ICGF-104 (NM-59A)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	200 kW
ICGF-105 (O-25)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	75 kW

UNIT REF. NO. (a)	Emission unit description	Exemption code (see below)	Pollutant(s) emitted	Rated Capacity
ICGF-120 (Q-81, PWC)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	115 kW
ICGF-121 (Q-95, PWC)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	105 kW
ICGF-122 (R-43)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	45.5 kW
ICGF-123 (SDA-332)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	150 kW
ICGF-129 (SP-368, PWC)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	100 kW
ICGF-131 (SP-65)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	100 kW
ICGF-132 (SP-77)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	45 kW
ICGF-133 (SP-97, PWC)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	50 kW
ICGF-134 (T-26A)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	234 kW
ICGF-135 (U-117)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	473 kW
ICGF-136 (U-130, PWC)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	80 kW
ICGF-139 (V-64)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	175 kW
ICGF-140 (V-82)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	20 kW
ICGF-141 (W-147)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	275 kW
ICGF-144 (W-146)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	15 kW
ICGF-145 (W-313)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	80 kW
ICGF-146 (W-385, PWC)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	115 kW
ICGF-148 (X-132)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	350 kW
ICGF-151 (X-16)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	15 kW
ICGF-163 (P-68)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	125 kW
ICGF-166 (NH-26)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	300 kW
ICGF-167 (NH-8)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	100 kW
ICGF-168 (NH-8)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	100 kW
ICGF-169 (NH-8)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	90 kW
ICGF-172 (W-174)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	90 kW
ICGF-174 (X-136)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	61 kW
ICGF-175 (Z-101)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	61 kW
ICGF-176 (Z-107)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	61 kW
ICGF-179 (X-134)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	90 kW
ICGF-180 (NH-31)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	275 kW
ICGF-181 (W-143)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	62 kW
ICGF-182 (CD-7)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	100 kW
ICGF-183 (A-81, PWC)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	100 kW
ICGF-184 (LF-053)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	123 kW
ICGF-185 (BEN-154)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	51 kW
ICGF-191 (N-26)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	60 kW
ICGF-192 (CEP-187, PWC)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	228 kW
ICGF-194 (GATE 4)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	20 kW
ICGF-195 (NM-176)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	90 kW
ICGF-196 (GATE 22)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	20 kW
ICGF-200 (CEP-188)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	50 kW
ICGF-201 (Z-133)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	100 kW
ICGF-202 (Z-133, FISC)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	75 kW

UNIT REF. NO. (a)	Emission unit description	Exemption code (see below)	Pollutant(s) emitted	Rated Capacity
ICGF-203 (Z-133, FISC)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	75 kW
ICGF-206 (CD-7)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	45 kW
ICGF-207 (Z-140)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	124 kW
ICGF-210 (CEP-4)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	150 kW
ICGF-211 (NH-34)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	30 kW
ICGF-216 (N-26)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	60 kW
ICGF-218 (LP-43, PWC)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	75 kW
ICGF-219 (N-26)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	100 kW
ICGF-220 (NH-34)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	60 kW
ICGF-224 (NM-59A)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	200 kW
ICGF-225 (X-137)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	175 kW
ICGF-232 (CEP-158)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	100 kW
ICGF-235 (V-66, PWC)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	350 kW
ICGF-236 (CEP-209)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	125 kW
ICGF-237 (NH-19)	Internal Combustion Engines	2, 3	See Note (a) diesel generator emissions	500 kW
MISC-004 (CD-3)	Dental Clinic	2	PM / PM10	N/A
MISC-007 (CEP-200)	Lagging/Fiberglass Cutting Tab	2	PM / PM10	N/A
MISC-011 (CEP-200)	Ultrasonic Dryer	2	VOC	N/A
MISC-015 (CEP-200)	Brick Oven Cutting Saw	2	PM / PM10	N/A
MISC-016 (CEP-200)	Pipe Insulation Cutting	2	PM / PM10	N/A
MISC-026 (V-58)	Lapmaster Metal Sander	2	PM, PM10, VOC	N/A
MISC-031 (W-7)	Injector Poping Test Shop	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
MISC-049 (LP-167)	F-14 Fuel Cells	2	Benzene, VOC	N/A
MISC-100 (CEP-209)	Fiberglass Sanding and Cutting Equipment	2	PM, PM10	N/A
MISC-101 (CEP-209)	Fiberglass Sanding and Cutting Equipment	2	PM, PM10	N/A
OCOM-027 (LP-204)	Liquified Petroleum Gas (LPG) Space Heater	2	CO, NOx, PM, PM10, SOx, VOC	N/A
OCOM-028 (LP-204)	Liquified Petroleum Gas (LPG) Space Heater	2	CO, NOx, PM, PM10, SOx, VOC	N/A
OCOM-077 (CEP-200)	Liquified Petroleum Gas (LPG) Space Heater	2	CO, NOx, PM, PM10, SOx, VOC	N/A
OCOM-079 (CEP-200)	Liquified Petroleum Gas (LPG) Space Heater	2	CO, NOx, PM, PM10, SOx, VOC	N/A
OCOM-097 (LP-204)	Liquified Petroleum Gas (LPG) Space Heater	2	CO, NOx, PM, PM10, SOx, VOC	N/A
OCOM-GRP1 (VARIOUS)	External Combustion Sources < 10 MMbtu/hr, NG	2	CO, NOx, PM, PM10, SOx, VOC	<10MMbtu/hr
OCOM-GRP2 (VARIOUS)	External Combustion Sources < 1 MMbtu/hr, Distillate Oil	2	CO, NOx, PM, PM10, SOx, VOC, Lead	<1MMbtu/hr
PETO-005 (LP-45)	JP-5 Distribution - Fuel Stand to Trucks	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
PETO-009 (PIERS)	F-76 Distribution - Pipeline to Ships	2	Naphthalene, VOC	N/A
PETO-010 (PIERS)	JP-5 Distribution - Pipeline to Ships	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
PETO-011 (W-62)	F-76 Distribution - Fuel Stand to Trucks	2	Naphthalene, VOC	N/A
PETO-012 (W-62)	JP-5 Distribution - Fuel Stand to Trucks	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
PETO-013 (W-62)	Lube Oil Distribution to Trucks	2	VOC/ VOHAPs	N/A
PETO-014 (PIERS)	Lube Oil Distribution to Ships	2	VOC / VOHAPs	N/A
PETO-015 (LP-54)	Av Lube Oil Distribution to Trucks	2	VOC	N/A
PETO-016 (PIERS)	Av Lube Oil Distribution toShips	2	VOC	N/A
PETO-017 (LP-44)	JP-5 Jet Defueling to Trucks	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
PETO-018 (LP-44)	JP-5 Jet Fueling Operations	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A

UNIT REF. NO. (a)	Emission unit description	Exemption code (see below)	Pollutant(s) emitted	Rated Capacity
PETO-019 (LP-54-D)	Diesel Fuel Distribution to Trucks	2	Naphthalene, VOC	N/A
PLAS-004 (CEP-200)	Metal Spray Booth	2	PM, PM10	N/A
PLMN-001 (CEP-200)	Flex Hose Cutting	2	PM, PM10	N/A
PNTO-108 (PIERS, NAVSTA)	Port Operations Barge Painting	2	See Note (c) ship painting emissions	N/A
PNTO-109 (SP-31, HM-14)	Painting fully assembled small craft	2	See Note (c) ship painting emissions	N/A
PNTO-110 (CEP-209, SIMA)	Plastisol Coating Dip Tank System	2	Cadmium compounds, PM, PM10, Vinyl chloride, VOC	N/A
PNTO-112 (Piers Spruce Barge)	Painting submarine decks	2	See Note (c) ship painting emissions	N/A
PNTO-123 (CEP-200, wc 67x)	Rubber cable moulding primer	2	See Note (d) ship painting SIMA emissions	N/A
PNTO-124 (CEP-160, wc 72B)	Ships and ship parts	2	See Note (c) ship painting emissions	N/A
PNTO-128 (Piers, Moran Tugs)	Tugboats	2	See Note (c) ship painting emissions	N/A
PNTS-018 (SP-10, AIMD 400)	Paint Arrestor Spray Booth	2	Ethyl acrylate, Hexane, Methanol, MEK, PM/PM10, Toluene, VOC, Xylene	N/A
PNTS-037 (LP-167, NADEP)	Open Hanger Touch Up of Aircraft	2	Note (e) aircraft paints	N/A
PNTS-060 (V-88, VC-6)	Paint Hood for small boat parts	2	MEK, MIK, PM, PM10, Toluene, VOC/VOHAPS, Xylenes	N/A
PNTS-061 (V-88, VC-6)	Paint Hood for small boat parts	2	MEK, MIK, PM, PM10, Toluene, VOC/VOHAPS, Xylenes	N/A
PNTS-064 (LP-167, NADEP)	Lug Coating Booth	2	Note (e) aircraft paints	N/A
PNTS-067 (SP-383, NAMTRA)	Small Hood for Corrosion Control School	2	MEK, MIK, PM, PM10, Toluene, VOC/VOHAPS, Xylenes	N/A
PNTS-068 (SP-383, NAMTRA)	Small Hood for Corrosion Control School	2	MEK, MIK, PM, PM10, Toluene, VOC/VOHAPS, Xylenes	N/A
PNTS-069 (LP-020, PWC)	Vehicle Priming	2	PM, PM10, VOC	N/A
PNTS-121 (CEP-209, SIMA)	Mast and Fairings Spray Paint Booth	2	See Note (d) ship painting SIMA emissions	N/A
PRNT-011 (NH-31)	Printing Shop	2	PM, PM10, VOC, Xylenes	N/A
STRP-012 (W-7)	Paint Stripping Tank w/ Cover	2	VOC	N/A
STRP-100 (CEP-209)	Plastisol Stripping Dip Tank	2	VOC	N/A
TNKA-006 (CA-482)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-008 (CA-501)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-009 (CD-2)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-014 (CD-3)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-015 (CD-3)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-020 (Q-72, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-021 (CEP-156)	Aboveground Vertical Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-036 (GATE 3)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-045 (LAG-110)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-048 (LAG-27)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-070 (LP-160)	Aboveground Vertical Fixed Roof Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKA-077 (LP-117)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-079 (LP-117)	Aboveground Horizontal Fixed Roof Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKA-080 (LP-117)	Aboveground Horizontal Fixed Roof Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKA-081 (LP-117)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-096 (LP-65)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-102 (M-51)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-103 (M-51)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-104 (M-51)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-108 (MCE-80)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A

UNIT REF. NO. (a)	Emission unit description	Exemption code (see below)	Pollutant(s) emitted	Rated Capacity
TNKA-111 (NH-12A)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-113 (NH-142)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-117 (NH-35)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-126 (NM-176)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-134 (P-1, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-135 (P-1, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-136 (P-1, PWC)	Aboveground Vertical Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-137 (P-1, PWC)	Aboveground Vertical Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-142 (Q-50E, PWC)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-143 (Q-50E, PWC)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-144 (Q-50E, PWC)	Aboveground Vertical Fixed Roof (EDTA) Tank	2	VOC, VOHAPs	N/A
TNKA-145 (Q-50E, PWC)	Aboveground Vertical Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-146 (Q-50E, PWC)	Aboveground Vertical Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-147 (Q-50E, PWC)	Aboveground Vertical Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-148 (Q-50E, PWC)	Aboveground Vertical Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-149 (Q-50E, PWC)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-150 (Q-50E, PWC)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-151 (Q-50E, PWC)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-152 (Q-50E, PWC)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-153 (Q-50E, PWC)	Aboveground Vertical Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-154 (Q-50E, PWC)	Aboveground Vertical Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-155 (Q-50E, PWC)	Aboveground Vertical Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-159 (Q-81, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-160 (SC-413)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-162 (SDA-332,)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-165 (SP-313)	Aboveground Horizontal Fixed Roof Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKA-166 (SP-313)	Aboveground Horizontal Fixed Roof Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKA-167 (SP-313)	Aboveground Horizontal Fixed Roof Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKA-168 (SP-313)	Aboveground Horizontal Fixed Roof Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKA-169 (SP-313)	Aboveground Horizontal Fixed Roof Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKA-170 (SP-314)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-176 (SP-65)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-177 (SP-65)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-178 (SP-77)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-180 (SP-85, PWC)	Aboveground Vertical Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-181 (SP-97, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-182 (T-26A)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-185 (V-58)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-187 (W-356)	Aboveground Vertical Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-188 (W-109)	Aboveground Vertical Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-189 (W-110)	Aboveground Vertical Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-190 (W-143)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-191 (W-144)	Aboveground Vertical Fixed Roof Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A

UNIT REF. NO. (a)	Emission unit description	Exemption code (see below)	Pollutant(s) emitted	Rated Capacity
TNKA-192 (W-145)	Aboveground Vertical Fixed Roof Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKA-193 (W-174)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-194 (W-244)	Aboveground Horizontal Fixed Roof Lube Oil Tank	2	VOC, VOHAPs	N/A
TNKA-195 (W-245)	Aboveground Vertical Fixed Roof Lube Oil Tank	2	VOC, VOHAPs	N/A
TNKA-196 (W-246)	Aboveground Vertical Fixed Roof Lube Oil Tank	2	VOC, VOHAPs	N/A
TNKA-197 (W-247)	Aboveground Vertical Fixed Roof Lube Oil Tank	2	VOC, VOHAPs	N/A
TNKA-198 (W-313)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-199 (W-357)	Aboveground Vertical Fixed Roof Lube Oil Tank	2	VOC, VOHAPs	N/A
TNKA-200 (W-358)	Aboveground Vertical Fixed Roof Lube Oil Tank	2	VOC, VOHAPs	N/A
TNKA-201 (W-359)	Aboveground Vertical Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-202 (W-360)	Aboveground Vertical Fixed Roof Lube Oil Tank	2	VOC, VOHAPs	N/A
TNKA-203 (W-361)	Aboveground Vertical Fixed Roof Lube Oil Tank	2	VOC, VOHAPs	N/A
TNKA-204 (W-362)	Aboveground Vertical Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-206 (W-67)	Aboveground Vertical Fixed Roof Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKA-207 (W-68)	Aboveground Vertical Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-211 (X-136)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-215 (Z-101)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-216 (Z-107)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-224 (MCE-64)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-225 (M-224)	Aboveground Horizontal Fixed Roof Kerosene Tank	2	VOC, VOHAPs	N/A
TNKA-226 (Q-99)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-240 (LP-1)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-241 (M-57)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-242 (NH-8)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-243 (NH-8)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-244 (NH-8)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-245 (CEP-200)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-246 (LF-60, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-258 (SP-368, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-265 (LP-117)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-270 (LP-100)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-273 (NM-75)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-277 (MCE-224)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-279 (Q-50)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-282 (CEP-188)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-283 (CEP-188)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-292 (U-127)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-293 (A-81, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-294 (CEP-158, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-298 (CEP-188, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-299 (CEP-188, PWC)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-300 (P-2, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-301 (P-2, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A

UNIT REF. NO. (a)	Emission unit description	Exemption code (see below)	Pollutant(s) emitted	Rated Capacity
TNKA-303 (LF-018, PWC)	Aboveground Vertical Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-311 (Z-312, PWC)	Aboveground Vertical Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-312 (P-1, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-313 (P-1, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-314 (P-1, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-319 (M-51)	Aboveground Horizontal Fixed Roof Lube Oil Tank	2	VOC, VOHAPs	N/A
TNKA-320 (NH-94)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-321 (NH-94)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-322 (NH-94)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-323 (NH-94)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-324 (CA-6, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-325 (CD-2)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-326 (CD-7)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-328 (CEP-167, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-329 (CEP-186, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-330 (CEP-200)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-331 (CEP-9, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-333 (FRP-64)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-334 (LAG-27)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-335 (FRP-64)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-340 (CA-483)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-341 (CA-483)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-348 (P-64)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-349 (Q-50, PWC)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-350 (Q-50, PWC)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-351 (Q-50, PWC)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-352 (Q-50, PWC)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-353 (Q-50, PWC)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-354 (Q-50, PWC)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-355 (Q-95, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-359 (SP-356)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-360 (SP-356)	Aboveground Horizontal Fixed Roof Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKA-362 (U-113)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-363 (U-130, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-364 (W-385, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-365 (X-134)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-370 (Z-312, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-371 (V-64)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-372 (BEN-154)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-373 (CA-501)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-374 (CA-501)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-375 (CEP-126)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-376 (CEP-126)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A

UNIT REF. NO. (a)	Emission unit description	Exemption code (see below)	Pollutant(s) emitted	Rated Capacity
TNKA-377 (CEP-183)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-384 (LP-3)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-385 (LP-19A)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-386 (LP-61)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-392 (LP-125)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-393 (LP-125)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-394 (LP-125)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-395 (LP-142)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-396 (LP-144)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-397 (LP-166)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-399 (LPFF)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-400 (M-52)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-401 (MCE-225)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-402 (MCE-225)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-403 (O-25)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-405 (R-43, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-406 (SC-413)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-407 (SDA-213)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-408 (SDA-309)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-409 (SDA-334)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-411 (SP-362)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-413 (W-146)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-414 (WFF)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-415 (WFF)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-416 (Q-50F, PWC)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-417 (Q-50F, PWC)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-426 (Q-50, PWC)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-427 (Q-50, PWC)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-428 (Q-50, PWC)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-429 (Q-50, PWC)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-430 (P-64)	Aboveground Horizontal Fixed Roof Kerosene Tank	2	VOC, VOHAPs	N/A
TNKA-431 (LP-14)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-434 (LP-34)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-435 (CEP-65)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-438 (LP-166)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-440 (N-25A)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-441 (N-26)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-442 (LP-125)	Aboveground Horizontal Fixed Roof Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKA-443 (LPFF)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-445 (U-126)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-446 (SDA-333)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-447 (LP-125)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-448 (LP-161A)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A

UNIT REF. NO. (a)	Emission unit description	Exemption code (see below)	Pollutant(s) emitted	Rated Capacity
TNKA-449 (LP-43)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-450 (LP-44)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-452 (U-113)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-453 (U-113)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-458 (LF-053)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-459 (CEP-57)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-460 (CEP-57, FISC)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-461 (CEP-57)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-462 (W-143)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-463 (KBB)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-464 (V-047)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-465 (V-047)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-466 (Q-50)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-467 (M-112)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-469 (V-047)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-470 (V-047)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-471 (V-047)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-472 (V-047)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-473 (LP-38)	Aboveground Vertical Fixed Roof Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKA-474 (LP-43)	Aboveground Horizontal Fixed Roof Gasoline Tank	2	See Note (b) gasoline dispensing emissions	N/A
TNKA-475 (NM-81A)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-476 (MCA-612)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-477 (SP-1)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-478 (U-113)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-479 (W-6, PWC)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-480 (B-30)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-481 (SP-313)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-482 (C-9)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-483 (LP-4)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-484 (LF-59)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-486 (LF-59)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-487 (LP-112)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-489 (NH-4)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-490 (W-388)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-491 (LAG-110)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-493 (SP-356)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-494 (LP-12)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-495 (LP-2)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-496 (LP-209)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-497 (NH-34)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-498 (LP-2)	Aboveground Horizontal Fixed Roof Used Oil Tank	2	VOC, VOHAPs	N/A
TNKA-501 (W-143)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-502 (W-143)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A

UNIT REF. NO. (a)	Emission unit description	Exemption code (see below)	Pollutant(s) emitted	Rated Capacity
TNKA-503 (W-143)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKA-504 (W-143)	Aboveground Horizontal Fixed Roof Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-002 (A-128)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-035 (CEP-5)	Underground Horizontal Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKU-043 (CEP-4, PWC)	Underground Horizontal Tank - Various Fuel Oils	2	VOC, VOHAPs	N/A
TNKU-044 (CEP-4, PWC)	Underground Horizontal Tank - Various Fuel Oils	2	VOC, VOHAPs	N/A
TNKU-045 (CEP-4, PWC)	Underground Horizontal Tank - Various Fuel Oils	2	VOC, VOHAPs	N/A
TNKU-047 (DFM-5, FFS)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-059 (LP-109)	Underground Horizontal Gasoline Tank	2	See note (b) gasoline dispensing emissions	N/A
TNKU-060 (LP-110)	Underground Horizontal Gasoline Tank	2	See note (b) gasoline dispensing emissions	N/A
TNKU-061 (LP-111)	Underground Horizontal Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKU-080 (LP-161)	Underground Horizontal Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKU-082 (LP-205)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-083 (NM-209)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-084 (LP-39)	Underground Horizontal Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKU-085 (LP-40)	Underground Horizontal Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKU-086 (LP-41)	Underground Horizontal Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKU-087 (LP-42)	Underground Horizontal Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKU-088 (LP-54-A)	Underground Horizontal Lube Oil Tank	2	VOC, VOHAPs	N/A
TNKU-089 (LP-54-B)	Underground Horizontal Lube Oil Tank	2	VOC, VOHAPs	N/A
TNKU-090 (LP-54-C)	Underground Horizontal Lube Oil Tank	2	VOC, VOHAPs	N/A
TNKU-091 (LP-54-D)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-096 (M-51)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-097 (M-51)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-098 (M-51)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-108 (N-26)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-109 (NH-139)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-113 (NH-19)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-119 (NH-94-1)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-120 (NH-94-2)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-121 (NH-94-3)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-122 (NH-94-1W)	Underground Horizontal Used Oil Tank	2	VOC, VOHAPs	N/A
TNKU-123 (NH-94-2W)	Underground Horizontal Used Oil Tank	2	VOC, VOHAPs	N/A
TNKU-127 (NM-154-A)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-128 (NM-154-B)	Underground Horizontal Gasoline Tank	2	See note (b) gasoline dispensing emissions	N/A
TNKU-129 (NM-176)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-134 (NM-71-C)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-135 (NM-72)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-136 (NM-75)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-143 (P-64)	NEX Service Station – Gasoline UST	2	See Note (b) gasoline dispensing emissions	N/A
TNKU-144 (P-64)	NEX Service Station – Gasoline UST	2	See Note (b) gasoline dispensing emissions	N/A
TNKU-145 (P-64)	NEX Service Station – Gasoline UST	2	See Note (b) gasoline dispensing emissions	N/A
TNKU-156 (Q-99-4)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A

UNIT REF. NO. (a)	Emission unit description	Exemption code (see below)	Pollutant(s) emitted	Rated Capacity
TNKU-157 (R-43)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-175 (SP-356)	Underground Horizontal Used Oil Tank	2	VOC, VOHAPs	N/A
TNKU-177 (SP-362-2)	Underground Horizontal Jet Kerosene Tank	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKU-178 (SP-366)	Underground Horizontal Used Oil Tank	2	VOC, VOHAPs	N/A
TNKU-189 (U-117)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-207 (W-146)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-210 (W-388)	Underground Horizontal Used Oil Tank	2	VOC, VOHAPs	N/A
TNKU-219 (WB-65)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-231 (W-130)	Underground Horizontal Used Oil Tank	2	VOC, VOHAPs	N/A
TNKU-251 (MCE-224)	MCE Service Station - Gasoline UST	2	See Note (b) gasoline dispensing emissions	N/A
TNKU-252 (MCE-224)	MCE Service Station - Gasoline UST	2	See Note (b) gasoline dispensing emissions	N/A
TNKU-254 (CEP-66)	NEX Service Station – Gasoline UST	2	See Note (b) gasoline dispensing emissions	N/A
TNKU-255 (CEP-66)	NEX Service Station – Gasoline UST	2	See Note (b) gasoline dispensing emissions	N/A
TNKU-256 (CEP-66)	NEX Service Station – Gasoline UST	2	See Note (b) gasoline dispensing emissions	N/A
TNKU-257 (U-113)	NEX Service Station - Gasoline UST	2	See Note (b) gasoline dispensing emissions	N/A
TNKU-258 (U-113)	NEX Service Station - Gasoline UST	2	See Note (b) gasoline dispensing emissions	N/A
TNKU-259 (U-113)	NEX Service Station - Gasoline UST	2	See Note (b) gasoline dispensing emissions	N/A
TNKU-271 (SP-362)	Underground Horizontal Used Oil Tank	2	VOC, VOHAPs	N/A
TNKU-273 (CD-11)	NEX Service Station – Gasoline UST	2	See Note (b) gasoline dispensing emissions	N/A
TNKU-274 (CD-11)	NEX Service Station – Gasoline UST	2	2 See Note (b) gasoline dispensing emissions	N/A
TNKU-275 (CD-11)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-276 (MCE-224)	MCE Service Station - Gasoline UST	2	See Note (b) gasoline dispensing emissions	N/A
TNKU-277 (NH-95)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
TNKU-278 (NH-139)	Underground Horizontal Diesel Tank	2	VOC, VOHAPs	N/A
WSTL-GRP1 (VARIOUS)	Oil/Water Separation Units	2	Benzene, Hexane, Naphthalene, VOC	N/A

Note (a) diesel generator emissions
1,3-Butadiene
Acetaldehyde
Acrolein
Benzene
Carbon monoxide
Formaldehyde
Naphthalene
NOx
PM/PM10
POM (Polycyclic organic matter)
SOx
Toluene
VOC
Xylenes

Note (b) gasoline dispensing emissions
2,2,4-trimethylpentane
2-Methoxy-2-methyl propane
Benzene
Cumene
Ethylbenzene
Hexane
Toluene
VOC
Xylenes

Note (c) ship paint emissions
Chromium compounds
Cobalt compounds
Cumene
Ethylbenzene
Ethylene glycol
Lead & Lead compounds
Methanol
Methyl ethyl ketone (MEK)
Methyl isobutyl ketone (MIK)
PM/PM10
Propylene oxide
Toluene
Triethylamine
VOC
Xylenes

Note (d) SIMA ship paint emissions
Arsenic compounds
Benzene
Beryllium compounds
Cadmium compounds
Chromium compounds
Epichlorohydrin
Glycol ethers
Lead compounds
PM/PM10
VOC
Xylenes

Note (e) aircraft paint emissions
4,4'-Diphenyl methane diisocyanate
Ethylbenzene
Ethylene glycol
Lead compounds
Manganese compounds
Methyl ethyl ketone (MEK)
Methyl isobutyl ketone (MIK)
Methylene chloride
PM/PM10
Phenol
Toluene
VOC
Xylenes

Exemption codes: (1) Named insignificant unit; (2) Insignificant by virtue of emission levels; (3) Insignificant by size or production level (rated capacity)

XIV. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being N/A to this permitted facility:

Unit Ref. No., combination, or activity to which requirement does not apply	**Citation**	**Brief description of requirement**	**Why the requirement does not apply** (Note: no narrative is required here if the reason is evident in the brief description to the left.)
BOIL-044 through BOIL-046 (Z-312)	40 CFR Part 60 Subpart Db §60.42b except paragraph (j) -Standards for Sulfur Dioxide.	Requires SO_2 percent reduction requirements except for facilities burning only very low sulfur fuel oil.	PWC boilers at NSN combust only very low sulfur fuel (<0.2 weight %).
BOIL-044 through BOIL-046 (Z-312)	40 CFR Part 60 Subpart Db §60.43b except paragraph (f) & (g) -Standards for Particulate Matter.	Applies to facilities that burn wood, municipal solid waste or oil (utilizing a conventional or emerging technology to reduce sulfur dioxide emissions).	PWC boilers at NSN combust only very low sulfur fuel oil and are not subject to the sulfur dioxide percent reduction standards.
BOIL-027, 028, 029, 030, 034 (P-1)	40 CFR Part 60 Subpart Db - Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units.	Applies to units with a rated heat input capacity between 100 - 250 MMBtu/hr installed, modified or reconstructed after June 19, 1984.	These units were installed prior to the effective date.
BOIL-031, 032, 033 (P-1) BOIL-042, -043 (SP-85)	40 CFR Part 60 Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.	Applies to units with a rated heat input capacity between 10-100 MMBtu/hr installed, modified or reconstructed after June 9, 1989.	These units were installed prior to the effective date.
BOIL-006 (NH-200-84)	40 CFR Part 60 Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.	Applies to units with a rated heat input capacity between 10-100 MMBtu/hr installed, modified or reconstructed after June 9, 1989.	The unit is a Mobile Utility Support Equipment (MUSE) boiler which was installed originally at NSN in 1985. The unit was relocated in 1993 to its present location. However this relocation is not a modification or reconstruction based on the NSPS definitions.
BOIL-006 (NH-200-84)	40 CFR Part 60 Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.	Applies to units with a rated heat input capacity between 10-100 MMBtu/hr installed, modified or reconstructed after June 9, 1989.	Distillate oil burner shut down and replaced with a natural gas (low NO_x) burner. This switch is an environmentally beneficial change and based on past precedent established for similar scenarios regarding NSPS, this boiler will not be subject to NSPS.
BOIL-053, BOIL-054 (Z-309)	40 CFR Part 60 Subpart E - Standards of Performance for Incinerators	Applies to units with a charging rate more than 45 metric tons per day that commences construction or modification after August 17, 1971.	Boilers were deactivated on April 28, 1996. Boiler permit was modified in 1976 to disallow burning of municipal solid waste.
All PNTS-*** WOOD-PNT1	40 CFR 60 Subpart EE Standards of Performance for Surface Coating of Metal Furniture	NSPS for Surface Coating of Metal Furniture	Coating operations do not meet the definition of "Metal Furniture Coating Operations" as defined in the regulation.
TURB-001 - TURB-002 (M-51, NCTAMS LANT)	40 CFR 60 Subpart GG Standards of Performance for Stationary Gas Turbines	NSPS for Stationary Gas Turbines	Gas turbines have been removed. Standard was N/A prior to removal due to installation date.

Unit Ref. No., combination, or activity to which requirement does not apply	**Citation**	**Brief description of requirement**	**Why the requirement does not apply** (Note: no narrative is required here if the reason is evident in the brief description to the left.)
TNKA-136-137 (P-1) TNKA-191-192 (W-144-145) TNKU-043-045 (CEP-4) TNKU-084-087 (LP-39-42)	40 CFR 60 Subpart K, Ka, Kb Standards of Performance for Storage Vessels for Petroleum Liquids	NSPS for Storage Vessels for Petroleum Liquids for which construction, reconstruction, or modification commenced • after 11 June 1973 and before 19 May 1978 • after 18 May 1978 and before 23 July 1984 • after 23 July 1984.	N/A to tanks constructed, reconstructed, or modified on or before 28 July 1984. The installation dates for these tanks are prior to 1972.
TNKA-427-429 (Q-50) TNKU-143–145 (P-64) TNKA-180 (SP-85)	40 CFR 60 Subpart K, Ka, Kb Standards of Performance for Storage Vessels for Petroleum Liquids	NSPS for Storage Vessels for Petroleum Liquids for which construction, reconstruction, or modification commenced • After 11 June 1973 and before 19 May 1978 • after 18 May 1978 and before 23 July 1984 • or after July 1984	The installation dates for these tanks are not available. However, the vapor pressure of the tank contents is less than 6.9 kPa (1.0 psia).
TNKA-194 (W-244) TNKU-047 (FFS) TNKU-059 – 061 (LP-109-111) TNKU-080 (LP-161) TNKU-088-091 (LP-54 A-D) TNKA-146 (Q-50) TNKA-180 (SP-85)	40 CFR 60 Subpart Kb Standards of Performance for Storage Vessels for Petroleum Liquids	NSPS for Storage Vessels for Petroleum Liquids for which construction, reconstruction, or modification commenced • after 23 July 1984.	The installation dates for these tanks was prior to 23 July 1984.
TNKU-143 – 145, 251-252 TNKU-256 – 257, 259, 272 TNKU-275 - 276	40 CFR 60 Subpart Kb - Standards of Performance for Storage Vessels for Petroleum Liquids	NSPS for Storage Vessels for Petroleum Liquids for which construction, reconstruction, or modification commenced • before 19 May 1978 and before 23 July 1984.	These storage vessels are located at gasoline service stations thereby making them N/A.
DRYC-001 (L-30, FLTRACEN)	40 CFR 60, Subpart JJJ - National Emission Standards for Petroleum Solvent Dry Cleaners	Standards for performance for petroleum solvent dry cleaners.	DRYC-001 was shutdown August 1998. In addition, perchloroethylene is not a petroleum solvent, therefore this unit is not subject to the requirements of this regulation.
PNTS-016 (NM-110) PNTS-069 (LP-020)	40 CFR Part 60, Subpart MM - NSPS for Automobile and Light-Duty Truck Coating Operations	NSPS for Automobile and Light-Duty Truck Coating Operations	This regulation applies at automobile and light-duty truck assembly plants. NSN is not an automobile and light-duty truck assembly plant.
PRNT-*** (All PRNTs)	40 CFR 60 Subpart QQ - Standards of Performance for Graphic Arts Industry: Publication Rotogravure Printing	NSPS for Graphic Arts Industry: Publication Rotogravure Printing	NSN no longer performs rotogravure printing processes at the facility.
All PNTO-***, All PNTS-*** (All PNTOs and PNTSs)	40 CFR 60 Subpart SS - Standards of Performance for Industrial Surface Coating: Large Appliances	NSPS for Industrial Surface Coating Large Appliances	NSN does not coat any “Large Appliance Parts” or “Large Appliance Products” as defined by the regulation.
GSTA-001, 002, 005, 007, 010 GSTA-015 – 20, 24, 25 GSTA-073- 074, 096	40 CFR 60 Subpart XX - Standards of Performance for Bulk Gasoline Terminals	NSPS for Bulk Gasoline Terminals	NSN does not meet the definition of a “Bulk Gasoline Terminal” as defined in the regulation in that the facility does not receive gasoline via a pipeline, ship, or barge.
FACILITY	40 CFR 61 Subpart C - National Emission Standards for Beryllium	Applies to machine shops at stationary sources which process beryllium, beryllium oxides or any alloy when such alloy contains more than 5% Beryllium by weight.	Facility does not process any alloy containing greater than 5% Beryllium by weight.

Unit Ref. No., combination, or activity to which requirement does not apply	**Citation**	**Brief description of requirement**	**Why the requirement does not apply** (Note: no narrative is required here if the reason is evident in the brief description to the left.)
FACILITY	40 CFR 61 Subpart M - National Emission Standards for Asbestos. All sections except for 40 CFR §61.145, §61.146, §61.150, §61.152, and §61.153	Standards for processing, manufacturing, and handling of asbestos containing material.	NSN does not process or manufacture asbestos containing products and is only subject to the regulations associated with removal and disposal of asbestos containing material.
PRNT-*** (All PRNT)	40 CFR 63, Subpart KK - National Emission Standards for the Printing and Publishing Industry	Standards for hazardous air pollutants emissions from the printing and publishing processes.	Rules are applicable only to rotogravure, publication rotogravure and flexographic printing processes. These processes are no longer utilized at NSN.
PNTO-107	40 CFR 63.788 Subpart II - National Emission Standards for Shipbuilding and Repair	NESHAP for Shipbuilding and Ship Repair	VDEQ has been delegated authority to grant waivers to recordkeeping requirements for the Shipbuilding and Ship Repair NESHAP. VDEQ granted a partial waiver to NSN on 29 June 1998, exempting crew painting of ships in an operational status. Ships in overhaul status must comply with applicable requirements.
PNTO-006 (A-81) PNTS-016 (NM-110) PNTS-069 (LP-020)	40 CFR Part 63 Subpart II – National Emission Standards for Shipbuilding and Repair (Surface Coating)	NESHAP for Shipbuilding and Repair Surface Coating	NESHAP only applies to surface coating of ships or ship parts vessels. These units are not listed for coating of ship or ship parts.
WOOD-PNT1	40 CFR 63 Subpart JJ - National Emission Standards for Wood Furniture Manufacturing Operations All sections except §63.801	Standards that limit the emissions of hazardous air pollutants (HAP) from existing and new wood furniture manufacturing operations located at major sources.	NSN does not use more than 100 gallons of coatings and adhesives at woodworking sources. This meets the definition of incidental furniture manufacturer (§63.800(a)) which exempts the sources from the standards of the NESHAP.
DRYC-001 (L-30, FLTRACEN)	40 CFR 63 Subpart M - National Emission Standards for Perchloroethylene Dry Cleaning Facilities. All sections except paragraphs 63.222 (c), (d), (i), (j), (k), (l), and (m) and 63.324 (a), (b), (d)(1), (d)(2), (d)(3), (d)(4) and (e).	Control and operating requirements for perchloroethylene dry cleaning facilities. Control requirements are required only for facilities using more than 140 gallons of PCE per year.	DRYC-001 was shutdown August 1998.
FACILITY	40 CFR 63 Subpart N - National Emission Standards for Chromium	NESHAP for Chromium Emissions.	All chromium plating operations have been deactivated.
MISC-030 (CD-3, NAVSTA)	40 CFR 63 Subpart O - National Emission Standards for Ethylene Oxide for Sterilization Facilities	NESHAP for Ethylene Oxide for Sterilization Facilities.	Ethylene oxide sterilization unit was removed in 1994.
FACILITY - All TNK*-***	40 CFR 63 Subpart OO - National Emission Standards for Tanks - Level 1	NESHAP for Tanks - Level 1	Regulation applies only when referenced by other specific 40 CFR Part 60, 61 or 63 subparts. No other subparts which reference this regulation are applicable to NSN.
FACILITY	40 CFR 63 Subpart Q – National Emission Standards for Industrial Process Cooling Towers	NESHAP for Industrial Process Cooling Towers	Regulation is only subject to cooling towers which utilize chromium based water treatment chemicals. NSN does not utilize any chromium based water treatment chemicals.
FACILITY	40 CFR Part 63, Subpart QQ - National Emission Standards for Surface Impoundments	NESHAP for Surface Impoundments	Regulation applies only when referenced by other specific 40 CFR Part 60, 61 or 63 subparts. No other subparts which reference this regulation are applicable to NSN.

Unit Ref. No., combination, or activity to which requirement does not apply	**Citation**	**Brief description of requirement**	**Why the requirement does not apply** (Note: no narrative is required here if the reason is evident in the brief description to the left.)
GSTA-001, 002, 005, 007, 010 GSTA-015 – 20, 24, 25 GSTA-073- 074, 096	40 CFR 63 Subpart R – National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)	NESHAP for Bulk Gasoline Terminals and Pipeline Breakout Stations at Gasoline Distribution Facilities	NSN does not meet the definition of a "Bulk Gasoline Terminal" as defined in the regulation in that the facility does not receive gasoline via a pipeline, ship, or barge.
FACILITY	40 CFR 63 Subpart RR - National Emission Standards for Individual Drain Systems	NESHAP for Individual Drain Systems	Regulation applies only when referenced by other specific 40 CFR Part 60, 61 or 63 subparts. No other subparts which reference this regulation are applicable to NSN.
DEGS-*** (All DEGS)	40 CFR 63 Subpart T - National Emission Standards for Halogenated Solvent Chemicals	NESHAP for Halogenated Solvent Chemicals	Solvent degreasers do not utilize halogenated solvents.
WSTL-*** (All WSTL)	40 CFR 63 Subpart VV - National Emission Standards for Oil-Water Separators and Organic-Water Separators	NESHAP for Oil-Water Separators and Organic-Water Separators	Regulation applies only when referenced by other specific 40 CFR Part 60, 61 or 63 subparts. No other subparts which reference this regulation are applicable to NSN.
PETO-009 (PIERS, FISC), PETO-010 (PIERS, FISC)	40 CFR 63, Subpart Y - National Emission Standards for Marine Vessel Loading and Unloading Operations	NESHAP for Marine Vessel Loading and Unloading Operations	Naval ships and operations do not fall under the category of Tank Ship/Barge used to transport fuel commodities in bulk.
FACILITY	40 CFR 80 Subpart B - Controls Applicable to Gasoline Refiners and Importers	Controls and prohibitions for sale and dispensing of gasoline for retailers and wholesalers.	These regulations are not included in the Virginia State Implementation Plan and are N/A requirements as defined in 40 CFR Part 70.
All Internal Combustion Engines (ICGF-***)	9 VAC 5-40-880, et. Seq. Rule 4-8 Emissions Standards for Fuel Burning Equipment	PM and SO_2 emissions standards for fossil fuel fired equipment.	Internal combustion engines are not "fuel burning equipment" based on the definition in 9 VAC 5-40-890.
TNK*-*** (All Tanks)	9 VAC 5-40-3410 et. seq. Rule 4-25 Emission Standards for Volatile Organic Compound Storage and Transfer Operations	Emission standards for VOC storage and transfer operations. Applies only to tanks with a storage capacity greater than 40,000 gallons and a vapor pressure greater than 1.5 psia.	All storage tanks contain petroleum liquids which are exempted from the Rule.
PNT*-*** (All Painting)	9 VAC 5-40-3560, et. Seq. Rule 4-26 Emission Standards for Large Appliance Coating Application Systems	Sets forth VOC emission standards for large appliance coating application systems.	Coating operations do not meet the definition of "Large Appliance Coating Application Systems" as defined in the regulation.
PNTS-069 (LP-020)	9 VAC 5-40-3860, et, seq. Rule 4-28 Emission Standards for Automobile and Light Duty Coating Application	Sets forth VOC standards for automobile and light duty truck coating application systems.	Vehicle refinishing operations are exempt.
All PNTO-***, All PNTS-***, WOOD-PNT1 (VARIOUS)	9 VAC 5-40-4610, et. seq. Rule 4-33 Emission Standards for Metal Furniture Coating Application Systems	Sets forth VOC emission standards for metal furniture coating application systems.	Coating operations do not meet the definition of "Metal Furniture Coating Operations" as defined in the regulation.
PLAS-004 (CEP-200, SIMA)	9 VAC 5-40-4760, et. seq. Rule 4-34 Emission Standards for Miscellaneous Metal Parts and Products Coating Application Systems	Sets forth VOC standards for coating operations of miscellaneous parts and products.	No VOCs emitted from plasma spraying of metal parts.

Unit Ref. No., combination, or activity to which requirement does not apply	**Citation**	**Brief description of requirement**	**Why the requirement does not apply** (Note: no narrative is required here if the reason is evident in the brief description to the left.)
PNTO-006 (A-81, Sign shop) PNTO-123 (SIMA 67x) PNTO-124 (SIMA 72b) PNTS-011 (LP-14, AIMD 500) PNTS-016 (NM-110, VAN) PNTS-018 (SP-10, AIMD 400) PNTS-019 (SP-312, AIMD 600 PNTS-020 (SP-356, GSE) PNTS-021 (PWC, forklifts) PNTS-060/061 (V-88, VC-6) PNTS-064 (LP-167, NADEP) PNTS-066 (X-137, misc.) PNTS-067/068 (SP-383 school) PNTS-069 (LP-020, veh prime) PNTS-121 (CEP-209, SIMA) PNTS-122 (replace PNTS-011) PNTS-123 (replace PNTS-018)	9 VAC 5-40-4760, et. seq. Rule 4-34 Emission Standards for Miscellaneous Metal Parts and Products Coating Application Systems	Sets forth VOC standards for coating operations of miscellaneous parts and products.	Refinishing operations are exempt. No operations manufacture metal parts or products. Various operations include repair of aircraft parts, ship parts, forklifts, signs, transportable equipment (vans), vehicles, ground support equipment, and other miscellaneous parts.
PNTO-011 (SP-35, HC-2) PNTO-013 (LP-3, VRC-40) PNTO-014 (LF-60, MAG-42) PNTO-017 (SP-31, HM-14) PNTO-018 (LP-33, VR-56) PNTO-019 (LP-34, VAW-120) PNTO-100 (SP-35, HCS-4) PNTO-101 (LP-12, VAW-78) PNTO-102 (LP-34, VAW-121) PNTO-103 (LP-2, VAW-123) PNTO-104 (LP-2, VAW-124) PNTO-105 (LP-27, VAW-125) PNTO-106 (LP-27, VAW-126) PNTS-037 (LP-167, NADEP) PNTS-100 (LF-59, HC-6) PNTS-101 (LF-59, HC-8)	9 VAC 5-40-4760, et. seq. Rule 4-34 Emission Standards for Miscellaneous Metal Parts and Products Coating Application Systems	Sets forth VOC standards for coating operations of miscellaneous parts and products.	Coating of fully assembled aircraft are exempt.
PNTO-004 (Q-72) PNTO-026 (VC-6) PNTO-038 (dry dock) PNTO-107 (ships forces) PNTO-108 (port operations) PNTO-109 (HM-14) PNTO-112 (spruce barge) PNTO-127 (contractor) PNTO-128 (Moran tugs) PNTS-071 (Q-50B)	9 VAC 5-40-4760, et. seq. Rule 4-34 Emission Standards for Miscellaneous Metal Parts and Products Coating Application Systems	Sets forth VOC standards for coating operations of miscellaneous parts and products.	Coating of fully assembled marine vessels are exempt.

Unit Ref. No., combination, or activity to which requirement does not apply	**Citation**	**Brief description of requirement**	**Why the requirement does not apply** (Note: no narrative is required here if the reason is evident in the brief description to the left.)
PRNT-***	9 VAC 5-40-5060, et. seq. Rule 4-36 Emission Standards for Graphic Arts Printing Processes	Standards for graphic arts printing presses.	Rules are applicable only to rotogravure, publication rotogravure and flexographic printing processes. These processes are no longer utilized at NSN.
GSTA-001, 002, 005, 007, GSTA-010, 015– 020, 024, 025 GSTA-073-074, 096	9 VAC 5-40-5200 et. seq. Rule 4-37 Emission Standards for Petroleum Liquid Storage and Transfer Operations	Control and operation requirements for tank trucks/account trucks and vapor collection systems.	Regulation only applies to activities of fuel suppliers.
TNKU-043-045 (CEP-4) TNKA-136-137 (P-1) TNKA-180 (SP-85) TNKA-311 (Z-312) TNKU-084-087 (LP-39-42) All PETO-***	9 VAC 5-40-5220, et. seq. Rule 4-37 Emissions Standards for Petroleum Liquid Storage and Transfer Operations	Emission standards for petroleum liquid storage and transfer operations.	Vapor pressure of petroleum liquid is less than 1.5 psia which makes it exempt from VOC emissions limits.
TNKU-143 – TNKU-145 TNKU-251- 252, 254- 257, 259 TNKU-272 – TNKU-276	9 VAC 5-40-5220A Rule 4-37 Standards for Volatile Organic Compounds	General standards for VOC emissions from petroleum liquid storage tanks and transfer operations.	This requirement does not apply to tanks with a storage capacity less than 40,000 gallons.
DRYC-001 (L-30, FLTRACEN)	9 VAC 5-40-5350, et. seq. Rule 4-38 Emission Standards for Dry Cleaning Systems	Sets forth emission standards for perchloroethylene dry cleaning systems.	DRYC-001 was shutdown August 1998. In addition, EPA has excluded perchloroethylene from those compounds defined as volatile organic compounds. This rule is proposed for withdrawal by VA DEQ since the rule is no longer required by federal mandate. Requirement will be deleted upon completion of regulatory action.
FACILITY	9 VAC 5-40-5260, et. seq. Rule 4-41 Emission Standards for Mobile Sources	Sets forth emission standards for mobile sources.	Emissions units do not meet the definition of a "Stationary Source" pursuant to 40 CFR 70 and are thus not required to be included in this application.

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being N/A to this permitted facility:

XV. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete renewal application to the Department consistent with 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal, but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied, and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant to section 9 VAC 5-80-80 D, the applicant fails to submit, by the deadline specified in writing by the Board, any additional information identified as being needed to process the application.
(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D, and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

a. The date, place as defined in the permit, and time of sampling or measurements.

b. The date(s) analyses were performed.

c. The company or entity that performed the analyses.

d. The analytical techniques or methods used.

e. The results of such analyses.

f. The operating conditions existing at the time of sampling or measurement.

(9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
(9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

(1) Exceedance of emissions limitations or operational restrictions;

(2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,

(3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.

2. The identification of each term or condition of the permit that is the basis of the certification.

3. The compliance status.

4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.

5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

6. Such other facts as the permit may require to determine the compliance status of the source.

One copy of the annual compliance certification shall be sent to EPA at the following address:

Clean Air Act Title V Compliance Certification (3AP00)
U. S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, Tidewater Regional Office, within 4 daytime business hours, after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the occurrence, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition C.3 of this permit.
(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after a deviation is discovered from permit requirements, notify the Director, Tidewater Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within two weeks provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Tidewater Regional Office.
(9 VAC 5-20-80 C)

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

J. Permit Action for Cause

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1790, or 9 VAC 5-80-2000, and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9 VAC 5-80-190 and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.
(9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
(9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
(9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by **April 15** of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90 and 9 VAC 5-50-90)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

(9 VAC 5-50-20 and 9 VAC 5-40-20 E)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1. (9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the conditions of paragraph 2 are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

b. The permitted facility was at the time being properly operated.

c. During the period of malfunction, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit.

d. The permittee notified the board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F 2 b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any requirement applicable to the source.

4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

(9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe, any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)

Y. Asbestos Requirements

The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
(9 VAC 5-60-70 and 9 VAC 5-80-110 A.1)

Z. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

AA. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)

BB. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)

XVI. State-Only Enforceable Requirements

The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.

1. 9 VAC 5-40-140 Existing Source Standard for Odor

2. 9 VAC 5-60-220 Existing Source Standard for Toxic Pollutants

3. 9 VAC 5-50-140 New and Modified Source Standard for Odorous Emissions

4. 9 VAC 5-60-320 New and Modified Source Standard for Toxic Pollutants

(9 VAC 5-80-110 N and 9 VAC 5-80-300)